

SEQUENCE LISTING

<110> Henderson, Robert A.
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 Johnson, Jeffrey C.
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<120> COMPOSITIONS AND METHODS FOR THE THERAPY
 AND DIAGNOSIS OF LUNG CANCER

<130> 210121.478C17

<140> US

<141> 2001-07-10

<160> 2002

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<213> Homo sapiens

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<211> 472

<212> DNA

<213> Homo sapiens

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cgaaataaat	accagactgt	ccactcctca	gcctaaggtc	cttctcaagt	cctgcacact	420
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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

<220>

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<212> DNA

<213> Homo sapiens

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ttaaatttat gaccaccgct ccttcaaggg gatgtagcac ttttccattc ctgtaccatg 180
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<213> Homo sapiens

<400> 15

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<212> DNA

<213> Homo sapiens

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<210> 17

<211> 424

<212> DNA

<213> Homo sapiens

<400> 17

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<211> 154

<212> DNA

<213> Homo sapiens

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 cacaagagac ttaaaggaca ggaggaggag atgg 154

<210> 19

<211> 445

<212> DNA

<213> Homo sapiens

<400> 19

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<211> 211

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 21

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<211> 277

<212> DNA

<213> Homo sapiens

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tctacatctc	cattatataa	taggatctgg	gatttctgtg	agctaagcag	cttcagatac	240
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<212> DNA

<213> Homo sapiens

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<211> 512

<212> DNA

<213> Homo sapiens

<400> 24

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<211> 461

<212> DNA

<213> Homo sapiens

<400> 25

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 aaggaagtta cagttatctc cccagaaatt aatgggtcat gtcaagacta taggttttca 420
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<211> 317

<212> DNA

<213> Homo sapiens

<400> 26

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<210> 27

<211> 250

<212> DNA

<213> Homo sapiens

<400> 27

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 ttcttccatt attttttctt cctaccactg agttttgtta tgaattcctt gtgtatacaa 180
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<210> 28

<211> 532

<212> DNA

<213> Homo sapiens

<400> 28

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ccaaaagaaa gaatctgaaa agaggaatgt gacagtacag cctgatgacc ccatttcctt 480
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ttgatctccc acacaaaaag agaaaataat atttatatgg aagtaatttt attttagtgt 180
ttgtgattta ttgtggagag caggbgttta aaaatttttag aatttctttt taacaaaatc 240
aaatacattg ttaaggtaac aaagaataat tcactatttc agcatttcaa agcaacatat 300
tctacaactt caaagatatt tgcaaaaata atacaactgt tgaagttcaa atgttatgga 360
aagaaacatt agaagtatga aaagtgtgtac aaaaacatgt ttctttttat tctcttggat 420
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<213> Homo sapiens

<400> 30

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gggttctata actgcatccc ccacacatct ttcaccacca ccccatatcat accagctctc 180
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<210> 31

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<212> DNA

<213> Homo sapiens

<400> 31

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tcgtcagcaa gttgtggccc actttctttg agagaccctt tgtgaggaaa gcctttgaga 180
agaccctcaa ggacctgaag ctgagctatc tggacgtcta tcttattcac tgg 233

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<210> 32

<211> 233

<212> DNA

<213> Homo sapiens

<400> 32
gaggaatgct ggactggagg cccctggagc cagatggcaa gaggggtgaca gcttcctttc 60
ctgtgtgtac tctgtccagt tccttttagaa aaaatggatg cccagaggac tcccaaccct 120
ggcttggggc caagaaacag ccagcaagag ttaggggcct tagggcactg ggctgttggt 180
ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct agg 233

<210> 33
<211> 319
<212> DNA
<213> Homo sapiens

<400> 33
ctgggcctgg atggtctagg atagccttac tcacttgctt ggcaggtgac aggctgttgg 60
ctggaattgc ttggttctcc tccatgtggc ctctccagta ggctagctca ggcttattca 120
catgatggct tcaggattcc aaagagagtg agagtagaag ctgaaagact tcttgagttc 180
ttggcctgga actgggacta ggacagtgtc acttctgcta agttcttttg gtcagagcaa 240
atcacaaggc ttaccaccaga ttcaagggat gagaaacaga ctacatgtct tgatgagggg 300
aaccacaaag agcttgtgg 319

<210> 34
<211> 340
<212> DNA
<213> Homo sapiens

<400> 34
tacagattta attcatgtta ttaactccct gccttttacc tcctccctcc tcccttggca 60
caactgccag atggatgtgg ctggaagtca gaggacattc tcgtgggttc gtgggcctag 120
ggtacaaatg acctcagcgt gacagcaaac aggacagaga agaccaggct cttactcagg 180
aatccaccag ccaggagaat gacaatgttg aacaccggaa ccctgatgat atctgtcaca 240
tttctaaggt tgatttcaga gtcaggagtg gagacatcgg cagttgactt ggggtggagct 300
tgggtcacag ttctggggct ggtatagagt gggcacaagg 340

<210> 35
<211> 170
<212> DNA
<213> Homo sapiens

<400> 35
acatgggtcc ttcaactctc gctgagatgt tgcggcagcc ttttcttcca atgcggttgt 60
ggcaggagaa tccacggatg taatgttttc acctttttcc ctgaggggtgc tttctgagga 120
accagycctt aagaggtggg gtcttgatt cctgaccag gcgtccggca 170

<210> 36
<211> 475
<212> DNA
<213> Homo sapiens

<400> 36
ctgtttttgg acttaattaa ccattgcaag tggaaaccaa gaaataattg tagcataact 60
ctctctattg kcatgttgct tctttctgca aatatactct agaagttaga ctttaaaccct 120
ttgatctccc acacaaaaag agaaaataat atttatatgg aagtaatttt attttagtgt 180
ttgtgattta ttgtggagag cagggtgttta aaaatttttag aattttcttta acaaaattct 240
aaagagaaaa taaaaaagaa atcacagtat ttacagagat aacagaatgg cttagccatg 300
caaaacaaat aactttggtt tttcccttt tacttttggt taaatgttga ccaagattca 360

atTTTTTTTtC ctGCCAAaata aaactttcaat aaaagtttag aggcAAAaata acgtatTTTTtC 420
 tTTTTTccc ataataTTTTt atacagcatc gagtctaaga atatTTTTatg cattt 475

<210> 37
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 37
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 ccaggcagcc aggggctagg acctcatgga tcagcagcaa gtccagcagg ttgtagtcag 120
 cgaaggagat ctggtctccc acaatgaagg tcttgctcc ctggttcttg gacagcaggg 180
 tctcaaaagg cttcagttgc ccgggcagtg ccttcacata gtcattcttg cccacctcat 240
 agttgg 246

<210> 38
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 38
 gctggaagtg aaatgcagat cagacccatt gtgatgtcac agaaagatgg ggacaggcca 60
 aagaaaaaag tgactttcaa ctcttcttcc atcatTTTTt tcatcaccag tgatgaatca 120
 ctgtcagttg acgacagcga caaaaccaat gggTccaaag ttgatgtaat ccaagtctgt 180
 ccttttagg aatgaagaat ggcaacgaaa gatggggcct taaattggat gccacttttg 240
 gactttcatc ataagaagtg tctggaatac ccgttctatg taatatcaac agaaccttgt 300
 ggtccagcag gaaatccgaa ttgcccatac gctcttgggc ctcaggaaga ggttgaacaa 360
 aaacaaattc ttttaattca acgggtgctt tacataatga aaaaaccact tgtggcacac 420
 gatgggcac taacatcatc atcttctaata gtgttgagaga ttttcatttc aaatatattt 480
 tttaaattac tctatTTTTtcc aaaacacgta at 512

<210> 39
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 39
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 atgtactcga ctctgtccta tttagccttc ccatacctga cttctaataca cttttccttg 120
 tgccctycca tctccctaac cccccctcac agggatgcct cctcccaagg ctccagaaac 180
 tctgaccctc gcaactgctgg agggagccca tgaattgctg gtcaatatcg ctcatcctct 240
 akactccatc ctgCGTgtgc ttcttcttac aagagctaga gaggcactga ctgataaata 300
 cctgtcacct gcccctttcc cagagggtga aactccaccc actccactg cagaaatgaa 360
 tcttaaatgg 370

<210> 40
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 40
 cctgagggtt ttcccttttaa attttcattg agttgtccat ctccagcata tagggcttca 60
 ggagcagagc agaccttggt tttagtgggt ccatgggata aaatgggatt ggaggagcta 120
 gaagaattca gggTctggtc caatctgcc a gtcttctga aatatcgaaa atacaccagg 180

gctgctatat cagagccacc ctgg

204

<210> 41

<211> 447

<212> DNA

<213> Homo sapiens

<400> 41

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caggcagcaa ttcgtaaaga attaaatgag tacaaaagta atgaaatgga ggtacatgca 60
tcaagcaagc acttgacaag attccacagg ccatagagat tttcttctga gaagaatttg 120
tgtttaattt tttgatacca aactgaaca ttcacagagg aactttcctg aagttcagct 180
caagactacc ctacctgctg tgtttgtgag aagagtagga tcacacacac aggtgcaatc 240
ttgaccacac ttacctgcaa gaggagtaac cagaggacac acttccttcc ttctttggtg 300
tctgaggagt gtgaactgtt ggggtcagtt aagacccaac ataactctat cagaagaaaa 360
ctgttggttg ctttcaacc ttgttttaca gttctgcagt gtagtgaggg acgggcaacg 420
tgcattgtgca ggctcaccac tcccagg 447
```

<210> 42

<211> 498

<212> DNA

<213> Homo sapiens

<400> 42

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ctgggtttgt aaaaacagtc tctttattct actgtgctga aaccctcacc aatatagaaa 60
attagattct cattgcactg aactatattt atatgcctaa gtatgtagaa gtaaaattat 120
atacccaaaa aggattttat cttgttgat atattaaatg ttatttctgc atatagggtc 180
ttttatggag aaactgatga tgataagctt aatactcact tgttttagcag catctgaatg 240
cacaaatgct ttatatatct cttctgcttt acagggcaaa agatcagact ctgttttctt 300
atagtcttca caagccagcc agaactcaat attctcctca ctgaattcag actttaggaa 360
acttccaaag acattttgac cagtttggtt ggcaagaagt tttccagag attgagacca 420
ttgcattact tcagcagcag aaagtacatc cttggacttg gaagatttca ttccagattc 480
cagatgtggg atcataga 498
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<210> 43

<211> 312

<212> DNA

<213> Homo sapiens

<400> 43

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caggaaggcg gccagaagt tgagtgcaaa gattggttcc tgagagcccc gagaagaaaa 60
ttcatgacag tgtctgggct gccaaagaag cagtgccctt gtgatcattt caagggcaat 120
gtgaagaaaa caagacacca aaggcaccac agaaagccaa acaagcattc cagagcctgc 180
cagcaatttc tcaaacaatg tcagctaaga agctttgctc tgcctttgta ggagctctga 240
gcgcccactc ttccaattaa acattctcag ccaagaagac agtgagcaca cctaccagac 300
actcttcttc tc 312
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<210> 44

<211> 417

<212> DNA

<213> Homo sapiens

<400> 44

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ctaacacatt tactctccac tattcgtaact ctggtagcca tgttaacccc atcagagatt 60
ccttctcaag ccatgtctca gagctgagag gcatccacgc aagttttgca gctcacagtt 120
```


ttttccgtaa attacttatt ctataaaatt ggagtaggcc ataaactttg gagggcccta 180
 gaccaatttt ttggattatt tttcgtcttc tatcattccg ctgatcttag atattctctg 240
 cattaaatat taaatatcac ttctaggctg aaaaatcccc ctaaaaatat ttctagctca 300
 gatttttcct ccaaattctg caatagaaga tcacaatgtg aactctgcat ctccatgtta 360
 aagtctaata gacattcaca cttagcatgt ctcaaagaaa tctcatgtaa accatgg 417

<210> 45

<211> 494

<212> DNA

<213> Homo sapiens

<400> 45

cgcgtgtctg tggatatgtg acacgtgcat gttctgcatg tctgtaggtc acacatgctt 60
 tgggtgcatgt acacgtgtgt gtgtgtatgc gtgtaggagc tcacacttgt gtacacgttt 120
 gtgtgcatgc atgtgtgcag gagcttgacac gtttggtgtg ggtacatgta catatgtgag 180
 tgatcctgtg tgcaagcccc catgtggaca tggctatgag tgagcgtgga gccaaaagcc 240
 aggtaaacacg catgcagcag gccactgtg cgtgtctgag acggtctgtg gcagggactg 300
 ggtgtgaatc atgcagcagg cccactgtgc gtgtctgaga cgggtctgtg cagggactgg 360
 gtgtgaatca gtgaccgtgt ctctgaccaa catgctgaat tacaattga taatttatta 420
 acctgtgcag caacaaataa gatttttcaa aactcaacaa agtgctcaaa gttgacatta 480
 cttgcttcaa agtt 494

<210> 46

<211> 516

<212> DNA

<213> Homo sapiens

<400> 46

ccagtccaac ctgctcctca ttattgtata aatgagcaga atctatatgg cggaacccag 60
 cttctattgc taattttgtg acctccaaag ctttacttct cggaacctcc tcctttggcc 120
 gtcatttgat cattcaactc tttgtcagtg gcaactcccg ctattttggt gtgttggttt 180
 gttactacac agtgagcaca aacatggtgg tccaatacag aggctcttcc tgtcagggtg 240
 caaccagaaa gttcatctaa cactgtgata tttgcatcct tcttgaacag ttgttggtctg 300
 aagattcatt tgatgaatcg atttttcaaa agagatgatt cttgggttctt ccgagcgctc 360
 agctctcccg ccgagcttct ttgagacgtc ctgaggtgtc ctttgacgat gcgtcctcca 420
 ctttcacaca ctctagcatt ctttactggt ggtcttcatt gccccacatt gggcagccag 480
 gaatgttggg gtgatcagac acaacaccag gtcattg 516

<210> 47

<211> 459

<212> DNA

<213> Homo sapiens

<400> 47

ccaattcaga gtggcattct gcatttctgt ggcttccaag tcttagaacc tcaactgaca 60
 tatagcattg ggcacactcc agcagacgcc cgaattcaaa tcctggaagg atggaagaaa 120
 cgcctggaga atatttggga tgagacacca ctgtattttg ctccaagcag cctctttgac 180
 ctaaacttcc aggcaggatt cttaatgaaa aaagaggtac aggatgagga gaaaaacaag 240
 aaatttggcc tttctgtggg ccatcacttg ggcaagtcca tcccaactga caaccagatc 300
 aaagctagaa aatgagattc cttagccttg atttccttct aacatgttat caaatctggg 360
 tatctttcca ggcttccctg acttgcttta gtttttaaga tttgtgtttt tctttttcca 420
 caaggaataa atgagagggg atcgaksaaa aaaaaaaaaa 459

<210> 48

<211> 430
 <212> DNA
 <213> Homo sapiens

<400> 48
 cctatatattca gccacagcct ctgggagtggt tgctgataat cggagcttgg aattaccct 60
 tcgtttctcac cattcagcca ctgataggag ccacgcgtgc aggaaatgct gtgattataa 120
 agcctttctga actgagtgaa aatacagcca agatcttggc aaagcttctc cctcagtatt 180
 tagaccagga totctatatt gttattaatg gtggtgttga ggaaaccacg gagctcctga 240
 agcagcgatt tgaccacatt ttctatacgg gaaacactgc gggtggcaaa attgtcatgg 300
 aagctgctgc caagcatctg acccctgtga ctcttgaact gggagggaaa agtccatgtt 360
 atattgataa agattgtgac ctggacattg tttgcagacg cataacctgg ggaaaataca 420
 tgaattgtgg 430

<210> 49
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 49
 ccatccgaag caagattkca gatggcagtg tgaagagaga agacatattc tacacttcaa 60
 agctttggwg caattcccat cgaccagagt tggccgacc agccttggaa aggtcactga 120
 aaaatcttca attggattat gttgacctct acctattca tttccagtg tctgtaaagc 180
 caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac acagtggatc 240
 tctgtgccac gtgggaggcc rtggagaagt gtaaagatgc aggattgg 288

<210> 50
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 50
 ccagagaatg acattcatgt ccccgaggat cccttgcaga gagtacatgg agccactgcc 60
 accagtggtg atggaaagca ctgtcttctt actccggaag ggtcctttgt catacatggc 120
 agcgtaaagt taagcaaaact ctctatgaa cactcgtcga aaccagcctt tcagaatggc 180
 agggactcca aaccactgca gggggaactg gaatatcaca aggtctgcgg cttccagctt 240
 cttttgttca gccacaatat ctgggctcag atggccttct ttataagcca gaacagactc 300
 ggcaggatac tgaaagtctg cagggtcctt cagtttacct gtgatgtcct ttctggaaat 360
 gatgggattg aagttcatgg catagaggtc cgactccacc acctcccatc c 411

<210> 51
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 51
 gatatcttat gattaataaac aaattaaatt ttaaaacacc tgaagatata ttagaagaaa 60
 ttgtgcaccc tccacaaaac atacaaagtt taaaagtttg gatctttttc tcagcaggta 120
 tcagttgtaa ataattgaatt aggggccaaa atgcaaaacg aaaaatgaag cagctacatg 180
 tagttagtaa tttctagttt gaactgtaat tgaatattgt ggcttcatat gtattatttt 240
 atattgtact tttttcatta ttgatggttt ggactttaat aagagaaatt ccatagtttt 300
 taatatccca gaagtgagac aatttgaaca gtgtattcta gaaaacaata cactaactga 360
 acagaagtga atgcttatat atattatgat agccttaaac ctttttcctc taatgcctta 420
 actgtcaaat aattataacc ttttaaagca taggactata gtcagcatgc tagactgaga 480

ggtaaact gatgcaatta aga

503

<210> 52

<211> 503

<212> DNA

<213> Homo sapiens

<400> 52

gatatcttat	gattaaaaac	aaattaaatt	ttaaaacacc	tgaagatata	ttagaagaaa	60
ttgtgcaccc	tccacaaaac	atacaaagtt	taaaagtttg	gatctttttc	tcagcaggta	120
tcagttgtaa	ataatgaatt	aggggccaaa	atgcaaaacg	aaaaatgaag	cagctacatg	180
tagttagtaa	tttctagttt	gaactgtaat	tgaatattgt	ggcttcatat	gtattatttt	240
atattgtact	tttttcatta	ttgatggttt	ggactttaat	aagagaaatt	ccatagtttt	300
taatatccca	gaagtgaagc	aatttgaaca	gtgtattcta	gaaaacaata	cactaactga	360
acagaagtga	atgcttatat	atattatgat	agccttaaac	ctttttcctc	taatgcctta	420
actgtcaaat	aattataacc	ttttaagca	taggactata	gtcagcatgc	tagactgaga	480
ggtaaact	gatgcaatta	aga				503

<210> 53

<211> 531

<212> DNA

<213> Homo sapiens

<400> 53

tttttttttt	tttttaaaat	gaggatattt	tattattttca	ggtaattttc	ccagaggkga	60
gaatagtaca	tgggaaattc	tctttaggcc	aggtctagta	ttacagkgtg	gkgctcaagg	120
ccgcccata	gaacagtgat	actctcccaa	cagatttcat	ccaccccgtc	tccactaact	180
tttgccataa	aaattcctct	gaattgtatc	ttcttggaag	aagtaaata	ctgttcgact	240
atacaaagaa	acagagaaac	cactcccatt	gcaatcaatc	ttcaagagag	ggagcaggca	300
agccgtgttc	tttctgctga	gttttataga	ctctgacaag	ctgtgaaata	aacataaaca	360
gaagacaaaa	cagtgccaca	aataagcagt	agatgaccct	gtgacaagac	ggcattgcag	420
aacaaagact	gacgttttaa	ggggagtcac	gcagagtaac	atgggaacac	aagcctgaca	480
acctggtcag	cttcactta	ctctagctcc	tttgaactct	caacactaaa	a	531

<210> 54

<211> 450

<212> DNA

<213> Homo sapiens

<400> 54

ccatgggtgt	ctggagcwcc	ctgaaactgt	atcaaagttg	tacatatattc	caaacatttt	60
taaaatgaaa	aggcactctc	gtgttctcct	cactctgtgc	actttgctgt	tggtgtgaca	120
aggcatttaa	agatgtttct	ggcattttct	ttttatttgt	aagggtgtgg	taactatggt	180
tattggctag	aaatcctgag	ttttcaactg	tatatatcta	tagtttgtaa	aaagaacaaa	240
acaaccgaga	caaacccttg	atgctccttg	ctcggcggtg	aggctgtggg	gaagatgcct	300
tttgggagag	gctgtagctc	agggcgtgca	ctgtgagget	ggacctgttg	actctgcagg	360
gggcatccat	ttagcttcag	gttgtcttgt	ttctgtatat	agtgacatag	cattctgctg	420
ccatcttagc	tgtggacaaa	ggggggtcag				450

<210> 55

<211> 648

<212> DNA

<213> Homo sapiens

<400> 55

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caacttcaac cacaggctgc tggasatgat cctcarcaag ccagggctca agtacaagcc 60
tgtctgcaac caggtggaat gtcaccccta cttcaaccag agaaaactgc tggatttctg 120
caagtcaaaa gacattgttc tggttgccta tagtgctctg ggatcccacc gagaagaacc 180
atgggtggac ccgaactccc cgggtgctctt ggaggaccca gtcctttgtg ccttggaaca 240
aaagcacaag cgaacccccag ccttgattgc cctgcgctac cagctrcagc gtgggggtgt 300
ggctcctggcc aagagctaca atgagcagcg catcagacag aacgtgcagg tgtttgaatt 360
ccagttgact tcagaggaga tgaaagccat agatggccta aacagaaatg tgcgatattt 420
gacccttgat atttttgctg gccccctaa ttatccattt tctgatgaat attaacatgg 480
agggcattgc atgaggtctg ccagaaggcc ctgctgtgtg atggtgacac agaggatggc 540
tctatgctgg tgactggaca catcgctctt ggttaaatct ctcctgcttg gygayttcag 600
caagctacag caaagcccat tggccggaag aaatatcaag ggtcaaat 648

```

<210> 56

<211> 536

<212> DNA

<213> Homo sapiens

<400> 56

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ctggcatgag aatatttttt tttttaagt cggtagtttt taaactgttt gtttttaaac 60
aaactataga actcttcatt gtcagcaaag caaagagtca ctgcatcaat gaaagttcaa 120
gaacctcctg tacttaaaaca cgattcgcaa cgttctgtta tttttttgt atgttttagaa 180
tgctgaaatg tttttgaagt taaataaaca gtattacatt tttaaaactc ttctctatta 240
taacagtcaa tttctgactc acagcagtga acaaaccccc actccattgt atttggagac 300
tggcctccct ataaatgtgg tagcttcttt tattactcag tggacctgcc cgggcggccg 360
ctcgaagccg aattccagca cactggcggc cgttactagt ggatccgagc tcggtaccaa 420
gcttggccgt aatcatggtc atagctgttt cctgtgtgaa attgttatcc gtcacaatt 480
ccacacaaca tacgagccgg aagcataaag tgtaaaagcct ggggtgccta atgagt 536

```

<210> 57

<211> 391

<212> DNA

<213> Homo sapiens

<400> 57

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aggaactact gtcccagagc tgaggcaagg ggattttctca ggtcatttgg agaacaagtg 60
ctttagtagt agtttaaaagt agtaactgct actgtattta gtgggggtgga attcagaaga 120
aatttgaaga ccagatcatg ggtggtctgc atgtgaatga acaggaatga gccggacagc 180
ctggctgtca ttgctttctt cctccccatt tggaccttct tctgccctta catttttgtt 240
tctccatcta ccaccatcca ccagtctatt tatttgtcta gttggatttc atttcttctg 300
gaaaatttat tgtttatttg catgtgaccc ttgactgatg gcttcattag cattytgttt 360
ttcttttttg atccttaata gaaaactcaa t 391

```

<210> 58

<211> 455

<212> DNA

<213> Homo sapiens

<400> 58

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gaagacatgc ttacttcccc ttcaccttcc ttcatgatgt gggaagagtg ctgcaaccca 60
gccctagcca acgccgcatg agagggagtg tgccgagggc ttctgagaag gtttctctca 120
catctagaaa gaagcgctta agatgtggca gccctcttct ttcaagtggc tcttgtcctg 180
ttgccctggg agttctcaaa ttgctgcagc agcctccacc cagcctgagg atgacatcaa 240
tacacagagg aagaagagtc aggaaaagat gagagaagtt acagactctc ctgggcgacc 300

```

```

ccgagagctt accattcctc agacttcttc acatgggtgct aacagatttg ttcctaaaag 360
taaagctcta gaggccgtca aattggcaat agaagccggg ttccaccata ttgattctgc 420
acatgtttac aataatgagg agcagggttg actgg                                     455

```

```

<210> 59
<211> 398
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 264, 266
<223> n = A,T,C or G

```

```

<400> 59
ctcagaggca gcggtgcgggt gtgctctttg tgaaattcca ccatggcgta ccgtggccag 60
ggtcagaaaag tgcagaagggt tatgggtgcag cccatcaacc tcatcttcag atacttacaa 120
aatagatcgc ggattcagggt gtggctctat gagcaagtga atatgcggat agaaggctgt 180
atcattgggtt ttgatgagta tatgaacctt gtattagatg atgcagaaga gattcattct 240
aaaacaaagt caagaaaaca actngntcgg atcatgctaa aaggagataa tattactctg 300
ctacaaagtg tctccaacta gaaatgatca atgaagtgag aaattggtga gaaggataca 360
gtttgttttt agatgtcctt tgtccaatgt gaacattt                                     398

```

```

<210> 60
<211> 532
<212> DNA
<213> Homo sapiens

```

```

<400> 60
gacttctgag acctggggca cccgggcctt tgcggcagct actggcaggg cctggccacc 60
tcataggact cagttccctt ctgaacactc gggggacatg ggctctaac tgcccactct 120
gatatgcctg ggtgagccta ggagggaagg ctctgatttg gatttctcca gtcaaagctc 180
acagaaaaaa acctggcact ttgattttca tgggatggtc ctaacaggggt cagtcacctc 240
cgagcagttt ggggaacccag tttcttgtcc tgggccctca ggtcagcctg gctgaattag 300
gaccttctct tggcacagggt gtgagaaaaga gcttggggaa cgcttggcat tatggagggc 360
tggaaggggc tcaaccccgga tttggagaga agtttgggat ggagtgggcg agagattgag 420
agagcgagca ggaaaagagg tcttgagacc tgggactgat ggtggataag gcctggaaaag 480
aasatgacsa ggaggaggag agagggaagt gggtagatga ggagcaggct ga                                     532

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<210> 61
<211> 466
<212> DNA
<213> Homo sapiens

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<400> 61
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cggggaccgc ctcccgcgcc gccaccatgc ccaacttctc tggcaactgg aaaatcatcc 120
gatcgaaaaa cttcgaggaa ttgctcaaag tgctgggggt gaatgtgatg ctgaggaaga 180
ttgctgtggc tgcagcgtcc aagccagcag tggagatcaa acaggaggga gacactttct 240
acatcaaaac ctccaccacc gtgcgcacca cagagattaa cttcaagggt ggggaggagt 300
ttgaggagca gactgtggat gggaggccct gtaagagcct ggtgaaatgg gagagtgaga 360
ataaaatggt ctgtgagcag aagctcctga agggagaggg cccaagacc tctgtggacca 420
gagaactgac caacgatggg gaactgatcc tgaccatgac ggcgga                                     466

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<210> 62
 <211> 548
 <212> DNA
 <213> Homo sapiens

<400> 62
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 caccaagtgc tgatatcttt taaagacata gttcaaaatt gcttttgaaa atctgtattc 180
 ttgaaaatat ccttggtgtg tattagggtt ttaaatacca gctaaaggat tacctcactg 240
 agtcatcagt accctcctat tcagctcccc aagatgatgt gtttttgctt accctaagag 300
 aggttttctt cttattttta gataattcaa gtgcttagat aaattatgtt ttctttaagt 360
 gtttatggta aactctttta aagaaaattt aatatgttat agctgaatct ttttggtaac 420
 tttaaatctt tatcatagac tctgtacata tgttcaaatt agctgcttgc ctgatgtgtg 480
 tatcatcggt gggatgacag aacaaacata tttatgatca tgaataatgt gctttgtaaa 540
 aagatttc 548

<210> 63
 <211> 547
 <212> DNA
 <213> Homo sapiens

<400> 63
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 atcttgccgc atttttctta aggctatgct tcagtttttc tttgtaagcc atcacaagcc 180
 atagtggtag gtttgccctt tggtagagaa ggtgagttta agctgggtga aaaggcttat 240
 tgcattgcat tcagagtaac ctgtgtgcat actctagaag agtagggaaa ataagtcttg 300
 ttacaattcg acctaatatg tgcattgtaa aataaatgcc atatttcaaa caaaacacgt 360
 aattttttta cagtatgttt tattacctt tgatatctgt tgttgcaatg ttagtgatgt 420
 tttaaaatgt gatcgaaaat ataatgcttc taagaaggaa cagtagtga atgaatgtct 480
 aaaagatctt tatgtgttta tggctgcag aaggattttt gtgatgaaag gggatttttt 540
 gaaaaat 547

<210> 64
 <211> 528
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 374, 443, 444, 452, 476, 489, 515, 523
 <223> n = A,T,C or G

<400> 64
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 srccatggac cccgctcgcc csctggggmt gtygatktct ctgcttttcc tgrckgaggc 120
 tgcaactggc gatgctgac argagccaac aggaaataac rcggagatct gkctcctgcc 180
 cctagactac kgacctgcc kggccctact tytccgytac tactacgaca ggyacacgca 240
 gagctgccgc cwgttctgk rckgggctg crasggcaac rccaacwatt yctacacckg 300
 kgaggmttrc gackatgctw gstggargat agaaaaagtt cccaaasttt gccggctgma 360
 agtgaatgag gacnaccagg gtgaggggta cacagataag tatttcttta atctaakkwc 420
 catgacatgw gaaaaattct ttncgggtg gngtcaccgg accggattga gaacangttt 480
 gcagatgang ctactgggat gggctcctgc rcacnaaaga aantatca 528

<210> 65
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 408
 <223> n = A,T,C or G

<400> 65
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 gaatcaaagt tgtcaagcac ccaatatttg aaaggagagg agatgatttg tacacaaatg 180
 tgacagtctc attagttgag tcaactgggtg gctttgagat ggatattact cacttggtatg 240
 gtcacaaggt acatatttcc cgggataaga tcaccaggcc aggagcgaag ctatggaaga 300
 aaggggaagg gctccccaac tttgacaaca acaatatcaa gggctctttg ataactcatt 360
 ttgatgtgga ttttccaaaa gaacagttaa cagaggaagc gagagaangt atcaaacagc 420
 tactgaaaca agggtcagtg cagaaggtat acaatggact gcaaggatat tgagagtga 480
 taaaattgga ctttgtttaa aataaagtga ataagcgata tttattatct gcaaggtttt 540
 ttttgtg 547

<210> 66
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 66
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 aaaggaaagg ggacgtgggc gggcagagag cttcatcgca gtaggaatgg cagccccatc 180
 tatgaaggaa agacaggtct gctggggggc ccgggatgag tactggaagt gtttagatga 240
 gaacttagag gatgcttctc aatgcaagaa gttaagaagc tctttcgaat caagttgtcc 300
 ccaacagtgg ataaaatatt ttgataaaag aagagactac ttaaaattca aagaaaaatt 360
 tgaagcagga caatttgagc cttcagaaac aactgcaaaa tcctaggctg ttcataaaga 420
 ttgaaagtat tctttctgga cattgaaaaa gctccactga ctatggaaca gtaatagttt 480
 gaatcatagt gaacatcaat acttgttccc tatatacgac acttgataat taaga 535

<210> 67
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 67
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 tccaaatctg cattgccggg gagatcctca acatcagcat gttgagatgg acctcaacct 180
 cacctctaac cctgaaacac actactcgat attatcttag gtatgtttta gggtttagtt 240
 tgtaaaataa taattttattt ttgaaggaaa tataaaatat taaagagtaa taatagctat 300
 catttttttaa gattcaatct aaaacaatgg actctttttt tttccatttg tgatgtagat 360
 aagcaagaca attttgatca tgagtgggtg aaaggagatc aaacttgact attccttgcaa 420
 tggcagtgcca gcaacaagcc tttcatttac attaaattat aacttttcat tcattcctaa 480
 accaaactta aaattctgct ttcctttgag tagaaggat ttaactt 527

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<400> 71
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gcagaggatg ctcaggaatt cagtgatgtg gagagggcca ttgagaccct catcaagaac 180
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tttcaccagt actccgtgga ggggtgggaag gagacgctga ccccttctga gctacgggac 240
 ctggtcaccc agcagctgcc ccatctcatg ccgagcaact gtggcctgga agagaaaatt 300
 gccaacctgg gcagctgcaa tgactctaaa ctggagttca ggagtttctg ggagctgatt 360
 ggagaagcgg ccaagagtgt gaagctggag aggcctgtcc gggggcactg agaactccct 420
 ctggaattct tgggggg 437

<210> 72

<211> 561

<212> DNA

<213> Homo sapiens

<400> 72

ggatggtata ctgtaaattc agcatatgga gataccatta tcataccttg ccgacttgac 60
 gtacctcaga atctcatgtt tggcaaatgg aaatatgaaa agcccgatgg ctccccagta 120
 tttattgcct tcagatcctc taaaaagaaa agtgtgcagt acgacgatgt accagaatac 180
 aaagacagat tgaacctctc agaaaactac actttgtcta tcagtaatgc aaggatcagt 240
 gatgaaaaga gatttgtgtg catgctagta actgaggaca acgtgtttga ggcacctaca 300
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 gaaacagagc agctaaaaaa gttgggtgac tgcatttcag aagacagtta tccagatggc 420
 aatatcacat ggtacaggaa tggaaaagtg ctacatcccc ttgaaggagc ggtgggtcata 480
 atttttaaaa aggaaatgga cccagtgact cagctctata ccatgacttc caccctggag 540
 tacaagacaa ccaaggctga c 561

<210> 73

<211> 916

<212> DNA

<213> Homo sapiens

<400> 73

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 gacatggccc agtcgaaggc ccaggatggc ttttgctgcg gccccgtggg gtaggagggg 180
 cagagagaca gggagagtca gcctccacat tcagaggcat cacaagtaat ggcacaattc 240
 ttcggatgac tgcagaaaat agtgttttgt agttcaacaa ctcaagacga agcttatttc 300
 tgaggataag ctcttttaaag gcaaagcttt attttcatct ctcatctttt gtctctctta 360
 gcacaatgta aaaaagaata gtaatatcag aacagggaagg aggaatggct tgctggggag 420
 cccatccagg aactggggag cacatagaga ttcacccatg tttgttgaaac ttagagtcac 480
 tctcatgctt ttctttataa ttcacacata tatgcagaga agatatgttc ttgttaacat 540
 tgtatacaac atagccccaa atatatgtaag atctatacta gataatccta gatgaaatgt 600
 tagagatgct atatgataca actgtggcca tgactgagga aaggagctca cgcccagaga 660
 ctgggctgct ctcccggagg ccaaacccaa gaaggtctgg caaagtcagg ctgagggaga 720
 ctctgccctg ctgcagacct cgggtgtggac acacgctgca tagagctctc cttgaaaaca 780
 gaggggtctc aagacattct gcctacctat tagcttttct ttattttttt aactttttgg 840
 ggggaaaagt atttttgaga agtttgtctt gcaatgtatt tataaatagt aaataaagtt 900
 ttaccatta aaaaaa 916

<210> 74

<211> 547

<212> DNA

<213> Homo sapiens

<400> 74

agtggcatta acttttagaa tttgggctgg tgagattaat tttttttaat atcccagcta 60
 gagatatggc ctttaactga cctaaagagg tgtgtgtgta ttttaatttt tcccgttctc 120

ttttcttcag taaacccaac aatagtctaa ccttaaaaaat tgagttgatg tccttatagg 180
 tcactacccc taaataaaacc tgaagcaggt gttttctctt ggacatacta aaaaatacct 240
 aaaaggaagc ttagatgggc tgtgacacaa aaaattcaat tactgtcatc taatgccagc 300
 tgttaaaagt gtggccactg agcatttgat tttataggaa aaaatagtat ttttgagaat 360
 aacatagctg tgctattgca catctgttg aggacatccc agatttgctt atactcagtg 420
 cctgtgatat tgagtttaag gatttgaggc aggggtaatt attaaacata ttgcttctat 480
 tcttgaaaaa atagaagkgt aaaatgttaa taatacaaat gtcactgtga ctcctccac 540
 tgagagg 547

<210> 75

<211> 793

<212> DNA

<213> Homo sapiens

<400> 75

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 gttctcagtg aaaatccaaa aaccagaaaa aaatgtttat acaaccctaa gtcaataacc 120
 tgaccttaga aaattgtgag agccaagttg acttcaggaa ctgaaacatc agcaciaaaga 180
 agcaatcatc aaataattct gaacacaaat ttaatatattt tttttctgaa tgagaaacat 240
 gagggaaatt gtggagttag cctcctgtgg agttagcctc ctgtggtaaa ggaattgaag 300
 aaaatataac accttacacc ctttttcatc ttgacattaa aagttctggc taactttgga 360
 atccattaga gaaaaatcct tgtcaccaga ttcattacaa ttcaaatega agagttgtga 420
 actgttatcc cattgaaaag accgagcctt gtatgtatgt tatggatata taaaatgcac 480
 gcaagccatt atctctccat gggaagctaa gttataaaaa taggtgcttg gtgtacaaaa 540
 cttttttatat caaaaggctt tgcacatttc tatatgagtg ggtttactgg taaattatgt 600
 tattttttac aactaatttt gtactctcag aatgtttgtc atatgcttct tgcaatgcat 660
 attttttaat ctcaaagctt tcaataaaac catttttcag atataaagag aattacttca 720
 rattgagtaa ttcagaaaaa ctcaagattt aagttaaaaa gtggtttgga cttgggaaca 780
 ggactttata cct 793

<210> 76

<211> 461

<212> DNA

<213> Homo sapiens

<400> 76

accttgcaact attccctca gtccatctat cgaggctctt gcaggaagca tactgggaat 60
 tgaaacgaga gcctaaatga catctaagaa aggcagtggt caataccagg tattaggtga 120
 ggatgggatt ctaaggacat cagtgggagg caggagacca ccttcagacc tcagcatgga 180
 agcttccaag atccagagga agaggcaaca gcactgagag tcataggtag aagaatcatc 240
 acagccctgc taaccaggca gctgatgcc ctctcccttg gctccctgtg tccaaatcct 300
 acaggggcat ctggttgctg aactcaacct gaagccaaa agaatatgag tggagagagg 360
 caacatttat agagctcagg tttctagggc tggagaggga tctggaggga cacacaggag 420
 acacctggca taacaaaaa atgattaaaa aaaaaaaaaa a 461

<210> 77

<211> 642

<212> DNA

<213> Homo sapiens

<400> 77

ggttgacaga aacacactgg ggaatggagc aaaacagtct ttgaatatcg aacacgcaag 60
 gctgtgagac tacctattgt agatattgca cctatgaca ttggtggtcc tgatcaagaa 120
 tttggtgtgg acgttgccc tgtttgcttt ttataaacca aactctatct gaaatcccaa 180

caaaaaaaaaat ttaactccat atgtgttcct cttgttctaa tcttgtcaac cagtgcaggt 240
gaccgacaaa attccagtta tttatttcca aaatgtttgg aaacagtata atttgacaaa 300
gaaaaatgat acttctcttt ttttgtgtt ccaccaata caattcaaatt gctttttgtt 360
ttattttttt accaattcca atttcaaaat gtctcaatgg tgctataata aataaaacttc 420
aacactcttt atgataacaa aaaaaarawa wattctttga atcctagccc atctgcagag 480
caatgactgt gctcaccagt aaaagataac ctttctttct gaaatagtca aatacgaaat 540
tagaaaagcc ctccctattt taactacctc aactggtcag aaacacagat tgtattctat 600
gagtcccaga agatgaaaaa aattttatac gttgataaaa ct 642

<210> 78

<211> 519

<212> DNA

<213> Homo sapiens

<400> 78

gcagaagaag aagcggacct tccgcaagtt cacctaccgc ggcggtggacc tcgaccagct 60
gctggacatg tcctacgagc agctgatgca gctgtacagt gcgcgccagc ggcgggcggt 120
gaaccggggc ctgcgggcga agcagcactc cctgctgaag cgctgcgca aggccaagaa 180
ggaggcgccg cccatggaga agcgggaagt ggtgaagacg cacctgcggg acatgatcat 240
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ggagatcaag cccgagatga tcggccacta cctgggcgag ttctccatca cctacaagcc 360
cgtaaagcat ggccggcccg gcatcggggc caccactcc tcccgttca tccctctcaa 420
gtaatggctc agctaataaa aggcgcacat gactccaaaa aaaaaaaaaa aaggcgcgcc 480
gccaccgcgg gggagctcca cttttgttcc ctttaatga 519

<210> 79

<211> 526

<212> DNA

<213> Homo sapiens

<400> 79

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ggtcacagcc tgatctctta tgtgttcata gccattcgct ctcccatcag aactgtttgt 120
cctgaatgtg ttctctagt tctagaaaat gaccactaat ttaaaaaact cggttgtgag 180
gtttgccag aggcacttgt tccagaattt cccctcctgc ttcagccatg tcttgtcac 240
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gagctgttgc cagcctcgtc aaatatggaa gagaacaac ctgcggtcaa aaggagtgta 360
tttgtttaagt ggtgcgcgtc tatctcataa ctgatgtac caaccaggga agggccaagg 420
atggaaagg gtaacttttg tgcttccaaa gtagctaagc agaagtgggg gagcagttta 480
gccagatgat ctttgattag gcaaacattg agttttaaaaggctg 526

<210> 80

<211> 281

<212> DNA

<213> Homo sapiens

<400> 80

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tagcaagtgg tgacactaaa taccattttg aaggctgatg tgtatataca tcattactgt 120
ccgtagcaat gaaggatata gtactgtgtt gtgggtgagt gttgctattg cccagcatta 180
atatttgggt gtgtatgttt gaggctatga aacacgcagg agtgtttttg tgctattaat 240
tttaagagaa agcagctttt tcttaaaatt cactgttgag a 281

<210> 81

<211> 405
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 219, 230, 261, 306
 <223> n = A,T,C or G

<400> 81
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 tagcaaaccg agcgatcatg tcgcacaaac aaatttacta ttccggacaaa tacgacsacg 120
 aggagtttga statcgacat gtcatgctgc ccaaggacat akccaasctg gtccctaaaa 180
 cccatctgat gtctgaatct gaatggagga atcttggcng ttcagmagan tcagggatgg 240
 gtccattata tgatccatga nccagaacct cdcattttgc tgttccggcg scccacttac 300
 cccaanaaac caamgaaatg aaccttggct actacttttc aatcctcaaa kcttttcaca 360
 vhtgaccttc cttcctaaca ttctttmtga taaacattta ttaag 405

<210> 82
 <211> 547
 <212> DNA
 <213> Homo sapiens

<400> 82
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 catttacata atatagaaa atatgcatat atctagaagg tatgtggcat ttatttggat 180
 aaaattctca attcagagaa atcatctgat gtttctatag tcactttgcc agctcaaaaag 240
 aaaacaatac cctatgtagt tgtggaagtt tatgctaata ttgtgtaact gatattaaac 300
 ctaaatgttc tgcctaccct gttggtataa agatattttg agcagactgt aaacaagaaa 360
 aaaaaaatca tgcattctta gcaaaaattgc ctagtatggt aatttgctca aaatacaatg 420
 tttgatthta tgcactttgt cgctattaac atcctttttt tcatgtagat ttcaataatt 480
 gagtaatttt agaagcatta ttttaggaat atatagtkgt cacagtaaat atcttgtttt 540
 ttctatg 547

<210> 83
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 83
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 tggtgattaa ggatattgaa agagaagaca ttgaattcat ttgtaagaca attggaacca 120
 agccagttgc tcatattgac caatttactg ctgacatgct gggttctgct gagttagctg 180
 aggaggtcaa tttaaatggt tctggcaaac tgcacaagat tacaggctgt gccagccctg 240
 gaaaaacagt tacaattggt gttcgtggtt ctaacaaact ggtgattgaa gaagctgagc 300
 gctccattca tgatgcccta tgtgttattc gttgtttagt gaagaagagg gctcttattg 360
 caggaggtgg tgctccagaa atagagttgg ccctacgatt aactgaatat tcacgaacac 420
 tgagtggat ggaatcctac tgcgttcgtg cttttgcaga tgctatggag gtcattccat 480
 ctacactagc tgaaaatgcc cggcctgaat cccatttcta cagtaacag 529

<210> 84
 <211> 527
 <212> DNA

<213> Homo sapiens

<400> 84

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cccatcacca gaatcccttc atgggagggg tggatgcctg ttgaaactca ctgacctatt 60
ggactgacgc tgggggtggt tcttcacag agctattgta agtcatccaa aaggcttctg 120
acgaaagaac aatttttaaa aagtcctct tttcaatcaa gccaatgtcc tattttattt 180
ctaaaagttt tgggactcgt gctgttatca agtacaatga aaatggcttt ataaatagct 240
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cgtgtactcg ttctataaaa atggaatctg ttctgcaggt taccgtccct ccccgcccaa 420
gcatcccttc tgtcctgtct ctctgctgct gggacccagg gctttttcag ctgcagaacc 480
cactggactt ccaggaatca aggaaaaagt ggaaatgtcc aactgtg 527

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<210> 85

<211> 401

<212> DNA

<213> Homo sapiens

<400> 85

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acattgagaa attcatgcct attgtttata ctcccactgt gggctctggct tgccaacaat 120
atagtttggt gtttcggaag ccaagaggct tctttattac tatccacgat cgagggcata 180
ttgcttcagt tctcaatgca tggccagaag atgtcatcaa ggccattgtg gtgactgatg 240
gagagcgtat tcttggcttg ggagaccttg gctgtaaatg aatgggcatc cctgtgggta 300
aattggctct atatacagct tgcggaggga tgaatcctca agaattgtct cctgtcattc 360
tggatgtggg aaccgaaaaat gaggagttaac ttaaagatcc a 401

```

<210> 86

<211> 547

<212> DNA

<213> Homo sapiens

<400> 86

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gaagcctctt gtgtttgtgt gcagagaagt atatgatcca ccatgctaata gacacttgcc 60
tttttttcca ccattaaggc tttaagaaca tgtggaataa gtttttttagc tgctaatagac 120
aaaacaaatc ctgtaactac ccagccagca agtatatagc acagaacact gtgttacttt 180
acaagggctt atgtgactgg aataagggtg tcccacttga ctgttccaaa gagcagcttc 240
tcagatcttc agtggtcact ggtaaatttc taacagtgtg tttgtgtaaa gtttgtcatt 300
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ttttcctttt taatgatgcc tgcactatca agagtattct agtgttctct ctttgtttgg 480
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<210> 87

<211> 530

<212> DNA

<213> Homo sapiens

<400> 87

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gcaatagaag cggggttcca ccatattgat tctgcacatg tttacaataa tgaggagcag 180
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tacacttcaa agctttggag caattcccat cgaccagagt tggteccgacc agccttggaa 300
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 tctgtaaagc caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac 420
 acagtggatc tctgtgccac rtgggaggcc atggagaagt gtaaagatgc aggattggcc 480
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<210> 88

<211> 529

<212> DNA

<213> Homo sapiens

<400> 88

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<210> 89

<211> 547

<212> DNA

<213> Homo sapiens

<400> 89

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 tcctttttct cagatgtagc tgagtcttga tcatttttaag acaacgatgg gtagaatttt 180
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 attatggatt cactagacaa acagctgttt ccttattgtc ttttttctt agtggttctg 480
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 aagtcac 547

<210> 90

<211> 528

<212> DNA

<213> Homo sapiens

<400> 90

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 acaagagtct gttatgcaag cccgtgtgcc agggatgtgc tgggggcggc caccgctct 480
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<210> 91
 <211> 547
 <212> DNA
 <213> Homo sapiens

<400> 91
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 acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtggag 180
 ctgactctaa tcaaagtga tgattggaat taraccmttt ggscyttgra ccttymtwrg 240
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<210> 92
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> 393, 502
 <223> n = A,T,C or G

<400> 92
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<210> 93
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 93
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 tcttccatca gaaaattgat tagagatggc agcattgacc tagtgattaa ctttcccaac 300
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 cgcaagggtgg actccaagag tcttttccac tacaggcagt acagtgtctg aaaagcagca 480
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<210> 94
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 547
 <223> n = A,T,C or G

<400> 94
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 gatgtgtctc cattcctgga aggtcttgaa gaaagaccac agagaaaggc acagcctgct 180
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 tgaagggtgc tgtataatca ttttctagaa agtatgggta tctatactaa tgtttttata 480
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<210> 95
 <211> 1265
 <212> DNA
 <213> Homo sapiens

<400> 95
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 ccaagaaagg aggaaaagct gatttttgtg aacgtcgcta cttgtgcctg aactaactct 180
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 tatacaataa tgaggagcag gttggactgg ccattccgaag caagattgca gatggcagt 360
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 agatgatcct caacaagcca gggctcaagt acaagcctgt ctgcaaccag gtggaatgtc 720
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 gaaggccctg cgtgtggatg gtgacacaga ggatggctct atgctggtga ctggacacat 1200
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 ccaga 1265

<210> 96
 <211> 568

<213> Homo sapiens

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tgaactgta	tcaaagtgt	acataatttc	aaacattttt	aaaatgaaaa	ggcactctcg	180
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gcattttctt	tttatttgta	aggtgggtgt	aactatggtt	attggctaga	aatcctgagt	300
tttcaactgt	atatactctat	agtttgtaaa	aagaacaaaa	caaccgagac	aaacccttga	360
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<211> 546

<213> Homo sapiens

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ccctgctgc	tcttccgta	agaaaatgaa	atattctatg	cctaatactc	acacgcaaca	300
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aactgc						546

<211> 547

<213> Homo sapiens

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gtggtaaact	atgttcccag	catctaaaag	ccaggagtgg	ttttcatttt	tctttaagaa	300
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actcataagg	aaagaaagaa	ctttttcaca	tatttttgaa	agaaacgatg	gtgagaagat	420
attcttgata	atagagatat	gctaacattt	gctttgggtg	ttttgtaggt	tagatttttt	480
tggtgtgtac	tttataggct	tgcatattgc	ttactttaaa	cagctgaagt	tctaagtaag	540
aqtqtcc						547

 $\langle 211 \rangle$ 122

<213> Homo sapiens

<400>	103						
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ccttgggccca	gcttggtttt	actctagatt	tcactgtcgt	cccacccccca	cttctttcac	180	
cccacttttt	ccttcaccaa	catgcaaagt	ctttccttcc	ctgccaccca	gataatatag	240	
acagatggga	aaggcaggcg	cggccttcgt	gttcagtagt	tctttgatgt	gaaagggggca	300	
gcacagtcat	ttaaacttga	t				321	

<210> 104
 <211> 309
 <212> DNA
 <213> Homo sapiens

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 cctattactt tgcaaggggc ccttcaaaag tctctgggct tctatttcaa ccgcgatgat 180
 gtggctctgg aaggcgtgag ccactttttc cggaactgg ccaaggaaaa gcccgagggc 240
 tacaaccgtt tcctgaaaat gcaaaaccag cggggcggcc gcgctctttt ccaggacatc 300
 aaaaagcca 309

<210> 105
 <211> 591
 <212> DNA
 <213> Homo sapiens

<400> 105
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 cacttcccca ctctcacc cctgtaaaag taacctttct ccaaggttat gcttcaacag 180
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 ggaaatgaat gaatggttct tcctggcag cctttgatga cttacaagcc ctttcaaggg 540
 ggaaagccat ttttctccct gggactcctt gaaagcccgg gagccctgcc t 591

<210> 106
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 106
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 tttgcttaaa atatcattag acctaataatt tttttcaaaag gcacaaagtt taaacatggg 180
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 ccactctgta cattaatact ttggtgatta atgtttgggg agaggcagga ttctaccca 420
 cctttttgac ttcaaacact ctactcaag 450

<210> 107
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 107
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 tgcaaaaatat acatgttctc ctctgtttt caattcttcc atcttttttc ttgagg 116

<210> 108
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 108
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 ggtagtaaa gtccttgagg caatgatgaa cagggaggac tcgggggttca g 291

<210> 109
 <211> 662
 <212> DNA
 <213> Homo sapiens

<400> 109
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 cc 662

<210> 110
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 110
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 tttctggtca atgctctgat taggtatcat acataaaagc cagcatatta gtttaaattc 180
 ctaacaaaaa actatatttt ccaaagtcac tatcatttgg gccaatlaag tgatcttttc 240
 gtgctttgtt gagcttcac tttagggcat ctcttctttc ttcccattca tgaagttcgg 300
 catttccatg tgcaaattta cag 323

<210> 111
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 111
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tgcttctagt gctctcattt ggaaatgagg caggcttctt ctatgaaatg taaagaaaga 300
aaccactttg tatattttgt aataccacct ctgttg 336

<210> 112
<211> 218
<212> DNA
<213> Homo sapiens

<400> 112
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caccocgtgc cacagacctt cctcggttgc agagattctg ggcaaagcat ccgtgctctc 180
atgagattat cctggggaga tttagaagaa ttttgttg 218

<210> 113
<211> 533
<212> DNA
<213> Homo sapiens

<400> 113
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gaggccaggc ttctaggaga tggctccaga aaggcggcca agaattgtgag tgcaaagatt 180
ggttcctgag agccccgaga agaaaattca tgacagtgtc tgggctgcca aagaagcagt 240
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gaagacagtg agcacacctt ccagacactc ttcttctccc acctcactct cccactgtac 480
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<210> 114
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 43
<223> n = A,T,C or G

<400> 114
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ggggacaaac tgaagttaaa caggtcgaaa ctagaggagc tgctgaccct ggagctgacc 180
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accaacatag gacaacaacg t 261

<210> 115
<211> 267
<212> DNA
<213> Homo sapiens

<400> 115
cctctcctgt gggttccaga ccctgttcca gcaacaattg ctgggacacc tgggccgact 60

gctccacctc gccaggccct ggccctctcc atctcagccc tgacagccac ccagtataa 120
 acacagcagg ctccctaagc aatgtgacgc accagagggg tgggtgtaca cgttcccctt 180
 gaagtcattc gaaaattaga gaacagattt gcctcatagc tgaagagaga ccctattcca 240
 agcatgaatg gccttgacaa tggtcct 267

<210> 116

<211> 239

<212> DNA

<213> Homo sapiens

<400> 116

ctgatgacct ggggtctagt gaaaatgcag ggtcagattc agtgggtctg gggctctgaat 60
 ctctaaggcg ctgccaagt atgctgatgc tcttggttg tggaccacc tgtgtatagc 120
 aaagctctag actaggaggt ctcaaccttg gctgcacaga attatctggg gagtttttaa 180
 atttcccagt gccagggtg cattcataatc atagtagaga cagggttttg ccatgctgg 239

<210> 117

<211> 168

<212> DNA

<213> Homo sapiens

<400> 117

aaaaaacttt tatattgctg catcttccac agttcttttg gtagtctctg aacttaaaat 60
 ttgtaggagt ttagactac ctaaattttt aagttatgga ttgtttcata ggtgtaggg 120
 gtaggtaaaag aaggaaacag acaagaaaat ggcttcttga ggtggcag 168

<210> 118

<211> 150

<212> DNA

<213> Homo sapiens

<400> 118

aaaaaaaaaga gtttatattag aaagtatcat agtgtaaaca aacaaattgt accactttga 60
 ttttcttgga atacaagact cgtgatgcaa agctgaagtg tgtgtacaag actcttgaca 120
 gttgtgcttc tctaggaggt tgggtttttt 150

<210> 119

<211> 154

<212> DNA

<213> Homo sapiens

<400> 119

aaactgtgtg agatattaac cagccgccct gttataaaat caggaaatcc aaacagcgat 60
 ttacaccgat taacaccccc ttttatattt tttcaaatac actgagaaaa taatcaaacy 120
 ttttcatctc tcttgtcttt tttgtttttt tcct 154

<210> 120

<211> 314

<212> DNA

<213> Homo sapiens

<400> 120

ctgcgtggag tgacgggagg agggaatcac tgtgtgtgag agagtgtctc agactcaatt 60
 tccaaaataa ttttcacccc tctaagcatg taaattcaaa gatggatcct tcatagaaat 120

taaaaaatca atttgagctc atttcgaata cagaacaagt atggcacaga tggaagtcct 180
gccacgtttc ctttaatgat gctgactctt gtatcacaca ggccagcatg aagtttctta 240
ctcagacttt acaggcattt tccgtaattc aatcagtcct gctcccagca caacacagga 300
ggtgattcga gaat 314

<210> 121

<211> 601

<212> DNA

<213> Homo sapiens

<400> 121

aaaaaaaaacc taattcattg aagtaataac caaataatth tcaatcttga ttcaactgtg 60
attcaaatct tacaccattt gcccttctta tgaatttatg tataaaatth tttaagagtc 120
agagtttttt tttcttgatt aattggatgt atttcacaga atttccaact gctcacgtta 180
gttttcttcc ttttagagtt gatctctcta atgtattaga tcttcatgcc tttgatagtc 240
tctctggaat aagtttgagc aaaaaacttc agcatgtgcc aggaacacaa cctcaccttg 300
atcagagtat tgtacaatca catttgacgt accaggaaat gcaaagggaag aacatcttaa 360
tatgtttatt cagaatcttc tgtgggaaaa gaatgtgaga aacaaggaca atcactgcat 420
ggaggtcata aggctgaagg gattgggtgc aatcaacgac aaatcacac aagtgattgt 480
ccagggtgtc catgagctct gtgatctgga ggagactcca gtgagctgga aggatgacac 540
tgagagaaca aatcgattgg tcttcattgg cagaaattta gataaggata tctttaaaca 600
g 601

<210> 122

<211> 486

<212> DNA

<213> Homo sapiens

<400> 122

ctgtttctaa ttgcttttgt gactgttacc ttttagttca tgccccccca aagagctaaa 60
tttcacattt ttacctacaa aattgatttt taattcctgc aaataattta ccattatgag 120
ctacaagggtg ggcaacagcg cctgaggatc taattttatg catattactc ccaagtattt 180
taacacttgt tggaagaagca atatctggat caataaaaca ctgtcccatc aaccatttga 240
gtggggagag ggagaagctc ttctgtaagt aagattctgg caagctcttt gaaatgagtc 300
ttctttccca cagattttct ctactcttcc aatacaaaca gataggagaa gagggaatag 360
aaacctggag gaacttgaat atttttgttc tagatagaga tacagttatt gaaaaggaaa 420
cctagaaaagt agtcacacgt cgcttattta ggccagaagt aattgtactg ggcaaaaatt 480
tcaatt 486

<210> 123

<211> 239

<212> DNA

<213> Homo sapiens

<400> 123

ctgggtgggtc tttttttcct ctcagagctc aagcctgtag tgccctgatgt catttctttc 60
aagttgcccc cagtatctcc acttaacta ggctagtaac caaaataatg tggaccttct 120
ttaggaaaca gtgtgggaga ataggagtcc agccgtaaga taaactggaa atatttgggc 180
gtcttgatcc tggctacgca ccacctcagt gttgttccta cataaacaag gccctttt 239

<210> 124

<211> 610

<212> DNA

<213> Homo sapiens

<223> n = A, T, C or G

ccanccaagt	cnttgatgat	cactgaccen	cgcgcgcctg	ctggaccaag	gtggtgcgg	60
ggaaatcgcc	acnngncttt	cggttttctt	ggtgaaggaa	tacaccgcgc	cgacagcagg	120
ttttcagtca	gggtcaggga	ctgttgcttg	cgcgcgaaaa	tcaccggtac	gccgaggttc	180
aggccggtca	tgatcgccgg	tgcaatgcc	gaggcttcga	tggtgacgat	cttggtgatg	240
cccgaatcct	tgaacaacgc	agcgaattca	tcaccgatca	gtttcatcag	cgccgggtcg	300
atctggtggg	tcagaaaggc	gtcgaccttg	agtacctgat	cggaaagcac	gatgccttct	360
tcgcgaattt	tcttggtgag	tgcttccacg	aaagcttctt	ctggtggcgc	aacacgcgcc	420
gaaagtagat	taaaaagtag	tcgattctag	cgctttaaca	tcgcgcgtat	atccgccagg	480
cgggtattgc	cgcgaacggc	tttgacttcg	gttggtgtgt	cgctggtgcc	ttcccatgcc	540
agcgtcatccg	gcggcagttc	gtcaaggaac	cggctggggg	cacaatcaat	gatctcgccg	600
tactgcttgc						610

<213> Homo sapiens

```
ctatagggct cgagcggccg cccgggcagg taaaaaatca gccctaatt tctccatggt 60
tacatttcaa tctgcagget tcttaaagtg acagtatcct taacctgcca ccagtgtcca 120
ccctccggcc cccgtcttgt aaaaagggga ggagaattag ccaaacactg taagctttta 180
agaagaacaa agtttt 196
```

<213> Homo sapiens

aaatttagtta	aaaaaatgca	ttctctcattt	gatatagcca	cattccaaat	gcttaaaagc	60
cgcattgtatc	tagtgactac	catactggag	agtacaaata	tagaacttta	cccgtcactg	120
cagacagttc	tgttggattg	tgcagcattg	gacaatatat	acagtttgcc	tgtatatgag	180
aaagagagag	agagagagag	tgtgtgtgtg	tgtgtgtgtg	tgaagtgcaa	taaggctgac	240
aggcatc						247

<213> Homo sapiens

ctctcacggc	atggcgcaat	tgttggttcag	gggcgcgccag	gttgctgccc	atgccgatgt	60
agatacgttc	cacgtgctta	ctcgccagac	gcaactcgaag	cgtcgccagc	gctacgtttg	120
cgcttgctgc	cactgctgcg	gcgacgcttt	ttcgggccat	cgccggtggc	ttcgcccttg	180
ctgctgagct	ctttgatcat	ctcgcggcgc	tggctgtcgt	tggcgctctg	gtagtcggtc	240
caccactcgc	caaggcgcgc	ggctgtcttc	ccggcgcttt	cacgcagcag	caggaagtca	300
tagcccgcca	cggaagcgcg	ggttgtccag	caacagggtc	gcacgtttgc	cgctgcggcg	360


```

tggcaggcgc tcttgcattgt cccagatttc acggatcggc atggtgaagc gtttcgggat 420
ggcgatgcgc tggcattgct cggcgatcag ctctgtgagca gcttcctgca tggctggaat 480
tgccggcatg ccacgggtctt gcaggcgcgc gacgcgtttc gaaagcgcg ggcacaacag 540
ggcggcaaaag aggaacgccc gggtgaccgg tttgttctgc ttgatgcgca 590

```

```

<210> 128
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<400> 128
ctgcccattgg aaacctcca ggagctgctg gacctgcaca ggaccagtga gagggaggcc 60
attgaagtct tcatgaaaaa ctctttcaag gatgtaacca aagtttccag aaagaattgg 120
agactctact agatgcaaaa cagaatgaca ttgttaaagc gaacctggaa gcatcctcgg 180
attattgctc ggctttactt aaggatattt ttggtcccct agaagaagca gtgaagcagg 240
gaatttattc taagccagga ggccataatc tcttcattca gaaaacagaa gaactgaagg 300
caaagtacta tcggggagcct cggaaaggaa tacagggtga agaagttctg cagaaatatt 360
t 361

```

```

<210> 129
<211> 546
<212> DNA
<213> Homo sapiens

```

```

<400> 129
aaaaatacaa attcagtaag acttttgctc taacaacaat ttttcaaaac gaatcaacaa 60
caaaaaagta tccagtgttt cttttcttat gaagatataa taaaacacag tattggtaag 120
cacattttta cagtatgctt ttcttttgta gggaaaggag atatggctat gtctaacatc 180
gtgggatcca atgtgtttga tatgttgctc cttggtattc catggtttat taaaactgca 240
tttataaatg gatcagctcc tgcagaagta aacagcagag gactaactta cataaccatc 300
tctctcaaca ttcaattat ttttcttttt ttagcagttc acttcaatgg ctggaaacta 360
gacagaaaagt tgggaatagt ctgcctatta tcatacttgg ggcttgctac attatcagtt 420
ctatatgaac ttggaattat tggaaataat aaaataaggg gctgtggagg ttgatattat 480
taatagtgtt atgcagaaaa tatgaatggc agggaggggc agagagaaaa atccatttct 540
tcattt 546

```

```

<210> 130
<211> 733
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 611, 631, 668, 689
<223> n = A,T,C or G

```

```

<400> 130
ggggcctctt cctaaaggca ctaatcccat ccaatagggc ttaacctcat gacttaatca 60
actttcaaaag acaccacatc ctaatgccat cacatcagaa tttaggcttc aacatatgaa 120
ttttgggggg acacaaacat tcacctcata gcattcattg tttcttggtt ttggcaaagc 180
caagactcac attgtctaag ttatttgact tttgagtcgc cagatgtgaa aacagtgcct 240
aacagtccag cttcatgagt ggagaacagc atttgtgaca accaccaaaag tacctctgtg 300
gtcagtgtcc tcaaccaggg cacagcatca tggaccagag cctctgcagg gcacagagga 360
gtgggtgagga acaggggctc tggagcaacc ccacttccct ctgctttgta tatggggggg 420

```

tctgcacatg actgcatttg aaaagggcctt cactgcgctt gctgaaggag tgcacttgag 480
 ctacgaggaga gttcccagag ggtgtctgga agaagcaaag gctattcttt gtttcaactca 540
 gttatagatg gaagtcagac acttctgcct gaagtacttt cacacactcc acagtcttaa 600
 gaaggatgga naaagcatgc caactactca naaaaccaca ggtgttcaag caatggatc 660
 cttttatncc tacaactagt ggacaaagng gggcctctgt aatttgggaa agctaggaaa 720
 actttttctg ggg 733

<210> 131
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 16, 19
 <223> n = A,T,C or G

<400> 131
 aaacacatac gaatanttna actgtgatta tgaagtgaca gccggctaaa tatgtcttgt 60
 attttctctc ttcctttttt tgctaactca tcctttattc cattcctgct tccatggtaa 120
 tgcaggctca aataaattac taggatacaa gattacttca agcctctttt ctgtggaact 180
 cataatatga taagcatttg ttacaagatt gcctgtagtt gtttagggga caaattatat 240
 tagggaaaga aagtctttct ttagttggtt aaattttcta ttataattgg gtactaaatt 300
 tat 305

<210> 132
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 132
 aaacaatgct acaactcattt ttggcaaagt gctgtattgt tcagtctgtg tacaaaactg 60
 accatctatg aaccaatcag tataaaaaat ttctataaaa acaaaattta gacagcggct 120
 caagaaaaca agctgccatt tatgcataga ttgatgtaca gtaacctaac caaatgtccc 180
 ttttgaattt tcaagttact gaaaaaaaaat gtgtcgagaa acacattaag aaggcacatg 240
 tacagtctac aatactcttc agtctcccta actcatgccc tgcccctata aaggaaatat 300
 gttcacaatt ttacttgaga aaaaaaaaaa aagccactta aaaaaaaaaa aacacacacg 360
 caattattaa agttcaaaat ctctggagga aaatacaagc aaaaccactc atacactcca 420
 agcctgaaac acacatctaa cctccccagg tactggtttg gttttcagag gtccacctag 480
 aaaacaaatc taaaacttca ggcaaaacag agcaaaactg gacatttaac aattacacaa 540
 ttttt 545

<210> 133
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 36, 68
 <223> n = A,T,C or G

<400> 133
 aatatttatt actaatatct tataatgttt tgtggnacca tggcatacct tgggtactat 60

```

tgtaacanat agttcaggaa accctactat aaggtttatc aaatgggtctc ataaacagtt 120
acttattcaa gcacgccaaa gctcagtgaa aagtattttt cacccttact ctttctcgtg 180
tcattcaaag agaagttttg atgtagtgta tttatttgta gggagtaatg aacagatcca 240
tttcacagta gactttgtgc tctaggtgat gcagctaatt gccccagttt ggaaaacatg 300
gacttggatg aattgtcttt tgtttgggac                                     330

```

```

<210> 134
<211> 627
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 99
<223> n = A,T,C or G

```

```

<400> 134
aaatattact tcaaatacat tttaaagctc aacaaaacttg tgttgaactg aattgcagat 60
cctgaactct atttgaaaat acatcatgaa acagaaaaanc ccattccaaa tgaaaatgat 120
agtgccttgt tgggggtggg aatgaggcgg ggagactaaa tcactattaa cagacttctt 180
ttcccaatgc aatttgtcaa aagttcaaaa gttctgaaat gtactaaatc ttaagcaaat 240
taaattcatg atattactaa aactttttta atagtgaat gacttatcaa gttatagtgg 300
ctgcattaag aacaaattat tgtgtgaaat acctgtataa acacaaaata caattaaata 360
tttctttaca aaaagctgag cattacgcat aatagtggaa tgtctttcat taggtgtatt 420
ttttaagat taacaaaagt aacatttcct aaaatgtata catgtgccat atttttgcaa 480
acatgcctga gaatgtattt aaaacatttc tgtagtaaga gtttgcaaga acttcacaaa 540
cctgcaaata aaatgcatct ttttaaaaag gtgaaaatgg catctccaca ctgcaacaat 600
tcaaaaagtg cagcatccct aatcttt                                     627

```

```

<210> 135
<211> 277
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 45
<223> n = A,T,C or G

```

```

<400> 135
aaaatcaa atattatttg ttaaaaatca gcttgtttca ttaacnggaaa ttacaccagt 60
ccgttctatt tactttcaaa ccatattcaa ctccctcaact ttcaaacatg taatcaacta 120
atttcaaaaag ggaaaaggta ccctttataa aggagagatc tgtaagaca ccaagaaatc 180
aaaattaata tcacttaata attaagtgga taacacatgc ctccaatac agtgcagtga 240
gaaacacaaa acatcaattc ccgcgtactc tgcgttg                                     277

```

```

<210> 136
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<400> 136
aaaacagaat gaattcattg ttacagttac agaagtcaga agcccaaata cagtctgcct 60
gaaccaaagc cagggtcagc aaggttcctt tccactgttt tgccaacttc tagaggccac 120

```

```

ctgtattcct tggttcatgg cccctctctt catcatcaaa taatcagcat agctttatga 180
cattggcagc tctgattttg ctcttttgcc ttcctcttat gtagaccctt gtaattacat 240
tgggtacacc cagataaccc caaataatct ccctatctca agattcttaa tgtaattata 300
ttgggaaagt cccctttgtc atataagata acatagcaat ggattccaag gattagtatg 360
tgagtctctt ttgaggggct ataattaacc ctaccacaat atggaaatgt ctattgtttt 420
tctatgtacc agaaaataaga cattaggatg tgaaattaat aacataacac cacttacggc 480
atcacc 486

```

<210> 137

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 310

<223> n = A,T,C or G

<400> 137

```

ccatcttgca tcaaagtgtc ttaaggcagt gactggctat caaccacagt ttctgtctcc 60
ccagttgcaa acacaggatc catgcaacag ttctgagacc atacacttag aaaccacagg 120
ggatgcggat caaatgcaga actcccaaact tataaaacag tcaggctaca ctcaaaacaa 180
aacatagaac atcaacaaca cacatctccc aaaaaagaag tgcaacgcat gcttgataaa 240
accaacaata acaaaaaaac cacaataaaa aatgcagagt ctcccaaaca agttttcaaa 300
tgtattgcan aaagaaaaaa aatgtatata tatataaaat taaaaagtct gaaataactag 360
tgcatagtca attacctaac accaagtttc ttttctttct gtccaagctc tactgcccct 420
ctgatactag cagcatgtct acaggctaag accatagcag caaaaaacgt ttttcatttg 480
gcatttacaa aattaaatta ctgaataaaa atataatttt ttataaaaact atttcttaca 540
gtaataatth tt 552

```

<210> 138

<211> 231

<212> DNA

<213> Homo sapiens

<400> 138

```

aaattttact agtggttactt aatgtatatt ctaaaaagag aatgcagtaa ctaatgccct 60
aaatgtttga tctctgtttg tcattacttt ttcaaaatat ttttttctgt aaagtataat 120
atataaaact tcttgcttaa attgaatttc tatattagtg gttaattgca gtttattaaa 180
gggatcatta tcagtaatth catagcaact gttctagtgt tttgtgtttt t 231

```

<210> 139

<211> 535

<212> DNA

<213> Homo sapiens

<400> 139

```

cagttgccaa ccctctgaac cgtttaggcc ggttcatcgc tgcccttgaa tctgggcccg 60
tgggtatccg gcaaggggtg aaaccaaaga gcgggggctg tgaggccctt cgcagtcctt 120
cgtaagtgcg tgcgatggag tgaactatca cgcacgtgtt ttatttcgtc aacacgaaat 180
gtgatttatt tttgcgaatt aacacggcag ttctcggtta cgttttcgga aagcgtggga 240
tatgattctg tctatcctgt acggatatac agtaattacc gggaggggat tccatggcga 300
agaagcaggc ggcaccggca gcacggcagg aaatgagcgg tatggcgcgc ctcgggcttc 360
gcgtctcatc gatgattaat caccgggtcg ccagacgca gcgctgggtt acgattcatc 420

```

gcctggacac ggatggggat cgggagtgagg aagaggttct gagcgtgatc gctgataccg 480
acgagctcga gctgacgctc aatgacgatg gcagtgtgac ggtgaggtgg gagca 535

<210> 140

<211> 640

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 557, 559, 591, 599

<223> n = A,T,C or G

<400> 140

acattggtgg cacttgaact gagtgcaaac cacaacattc ttcagattgt ggatgtgtgt 60
catgacgtag aaaaggatga aaaacttatt cgtctaattg aagagatcat gagtgagaag 120
gagaataaaa ccattgtttt tgtggaaacc aaaagaagat gtgatgagct taccagaaaa 180
atgaggagag atgggtggcc tgccatgggt atccatgggt acaagagtca acaagagcgt 240
gactgggttc taaatgaatt caaacatgga aaagctccta ttctgattgc tacagatgtg 300
gcctccagag ggctagggtta gtacaaaactc gcattcatgg cttggtttcc cagaagatct 360
ccatttaact tttttaaaga aagttttattg ctttctttta cctgcatttt ttctaagttt 420
tttttcgcat aaagggtgctg tctttgtggc aaggcctagg catgacaatc ggaggactcg 480
agggggatgg aggactagtg atccggctgg ctgcttcag tcgattagag aggtgaaaaa 540
gctgaacgtg tgcccantna atcttcaaaa aggcagaaac atatcacctt ntgccccent 600
aaacttggtc tttttccgaa ggggaaaaaa aaaatggaaa 640

<210> 141

<211> 127

<212> DNA

<213> Homo sapiens

<400> 141

aaaaatcaca cactgacaac acagaaatac gaaatgctag gaaaagtcta gcatatgaag 60
gaaaaacatg tcttatgcac tctaataata ttttttcaat tagtataaag gcaaatgcgg 120
ttttttt 127

<210> 142

<211> 126

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 18, 44, 46

<223> n = A,T,C or G

<400> 142

aaatatcctc tggatgcntt caagtaatac taatcatttc atgngnaaaa gtcttttaatt 60
aaacaaattc agagtaaaat taattgaaat atttataata catttggttac acagttattt 120
ccaata 126

<210> 143

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 512, 555, 603, 608, 685, 721

<223> n = A,T,C or G

<400> 143

```

gcaagttctg gagtggtcac ttctgagcct gaattccctc ccctgcaaaa tgggggaata 60
ccctcctcag aggggtccctg cgagggtgag gggagatcag catggcaggt gtgctgggca 120
cggcagggcc tgggaagggc agatcctttc cccatccctg ccacaaacaa cccaaacctt 180
taaaggagag caatggcctt gtgtcaaaaa caaaaacaaa acaaaaccct gtcctaggag 240
actggggccc taattttctaa tagcaagcct ttatgagtc ctaacactct actgggctga 300
gtatctcaca cgccagagga taacctgcct tctgtcacc accaccccgt agtagttgtc 360
attgtgtcca ttacacagat gaggcaaagg ctgagaagag tcatgtgtta aaccagcttc 420
tagagcccat gcaggagctg cagggtggga gaatcacctc taggtgctct tcccatggaa 480
tcctcacctc ccttgagctg tcaactcactc anctttccaa tgggtgtgtg acctttgacc 540
agctttcttt ccttntctgg gcctcagttt cccaccttgg acaaagtaag aggtctcttg 600
ggnttcangg tagttcttcc taacttcttt tccttttcat ttgagcatcc ttcttcattt 660
tttgccacct ctcttgatcat tacangcttt taccttcggc cgcgaaaccac gcttaagggc 720
naaattttcca                                     730

```

<210> 144

<211> 485

<212> DNA

<213> Homo sapiens

<400> 144

```

ctggtcagaa atgattctct tgtgacacca tcgccacaac aggctcgggt ctgtcctccc 60
catatgttac ctgaagatgg agctaccttt cctctgtgtg gcattttgtc gcttatccag 120
tcttctactc gtagggcata ccagcagatc ttggatgtgc tggatgaaaa tcacctgtgt 180
tgcgtggtgg gtctgtctgc gccacttcta atcctcatca tgacaacgtc aggtatggca 240
tttcaaatat agatacaacc attgaaggaa cgtcagatga cctgactgtt gtagatgcag 300
cttcactaag acgacagata atcaaactaa atagacgtct gcaacttctg gaagaggaga 360
acaaagaacg tgctaaaaga gaaatggtca tgtattcaat tactgtagct ttctggctgc 420
ttaatagctg gctctgggtt cgccgctaga ggtaacatca gccctcaaaa atattgtctc 480
aacag                                             485

```

<210> 145

<211> 465

<212> DNA

<213> Homo sapiens

<400> 145

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ccaagacagc tcgtttcttg agagtatgag ggtgtgtttt cttattgtga aaggaactac 60
cttctcttag agggtaggaa gaatgtggtg tgtgtgtgtc tcataaagca accggacatt 120
ataggtgccc aggtcatcta taaaaacgat ccttgggctg tgtaaaaatg aagtggcttt 180
tcagtatcct ctttcacact tgctgcttcg ggagactatg caatgatggg aagggtgattg 240
cccctttatt tcattcagtg ccatggctcc tgttggtgta gtaatttatt tgtttagttc 300
atTTTTTTTT tcttaacagt caaggggaag agtgattcct cacactgctt tcaagctgga 360
ctgagccagt ctcatctctg gaaagaaatg ctgtgtccag aactcagcag ctccatctat 420
tttttccagt cgaaagaaac tgatcttttag gcagttttta cttgg                                     465

```

<210> 146

<211> 351
 <212> DNA
 <213> Homo sapiens

<400> 146
 ccagccgggg taatctgtat gtggcggact tgagctacga cgtgggcggc aagtgcctgt 60
 ttgaccagat cagcggcgtg aagcttatgc caactcatcg tttgataaat ccgaggatca 120
 gttcaagacg tcgcagcggg tgattttggg aacgtcgttt tcggtcagta aattgtgggt 180
 agcgacggag tggttgatcg gcaagaatga tccgtatat ttatatatga acattgggta 240
 gagcctgggg gctgggggga gtaaccagt ggagaatcag ttatatatga acattgggta 300
 ctacttctga ctttaagatct ccagcgtttt aactggcctt atcgcaggca a 351

<210> 147
 <211> 654
 <212> DNA
 <213> Homo sapiens

<400> 147
 acttattttt aattactgaa tatttcttag acgttttggg acagatttta tgtaatcttt 60
 ataagtatga tttctgaaga aaagcaaagt cattagtatg tttgccttaa actttagtagac 120
 taaaccaagt attgtaaaat aaacagcgat aacagtata gtttttaact ctatgggtcat 180
 tgtatcactc tggaaaatgt ggagtagctg taataaatct actcctgtat tatgctttac 240
 agtgcaggtc ttagtttttc tttttctca tttcttttga aatggcatct cgaacaaagt 300
 ccaccaatcc ctttacaaaa gaatgaactg ctctctctgtg tgtacttcat agaaggtgga 360
 atcgagacaga ggcagggttag tgacagttat tcctgaaata caggagcaga gtacagtcctg 420
 ttgtgggttc cgggattccg cgcctagctc agccaattaa gcatgagaca taggccattg 480
 agccacttag tagttatgcg agtggataga ttggatatga agagggaaaag aggtctgctg 540
 taaagaacaa cacttggttg tctgtgggga aagaaaagca gaatcttgag atgaaagttg 600
 gcatacaaat aggatactat cgccagtagg ttatattaca aaacatttat cggg 654

<210> 148
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 148
 tgaatatcat gaggggtgatt ttcacctgat tgcaaaactg ccatagtttg aaacactttt 60
 tcaatttacc agacacactc tgtcaagact tcatatactt ccaacttgca agcctgtggt 120
 ttgccttctc caacctaaaa aggaaaagct ttaaactgat aacttacatt ctattaaacc 180
 atcagacttg agcttatcca tctgttttagc gtgaatgtac aaaccaggta catttccacc 240
 aaacacatag aaaaatcttg tgcacacag ttcagctaag ggtagtagga caatccttac 300
 aatcctcctt ggatttcttt tttaagatgt caaagaagca ggtaagcaac attgttcatt 360
 tgttactggg tgttctagat caaaccttca caagctatat atatagcttc atagctata 420
 gcttacaagt ggggtaacaa agtaaaagaa aagaacaaat tatactttga cactttatag 480
 tcaaagtata attaaaaaag aaatcctaca gtgggtaatg gagaaataga taatttttc 539

<210> 149
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 149
 tttttgggtca ttctcctcaa ggagccgctg gatagtagtc ttgattgact tccaccttgc 60
 ccctcatata gtccggtact aaggccaccg acatcccag gaacctccg aaccacgacc 120

<400>	153									
ttgtcttctc	taccttacca	tagccagttg	ctttcathtt	aaaccagagc	aagtaacata	60				
ttagtgactt	gaatcttcatt	aagttaaagt	aaaaaacagc	aaaacacctt	gatcttgtgc	120				
ttttagaaca	cagaccattt	tcaggaaagc	agttagctaa	gtgtttaatt	ctgtaatatt	180				
gtatactgca	tcccctacca	caattttcac	aatcctgtgg	atagtcttac	ctcaccctgg	240				
tcaacctaca	tqatccttaa	cctaattgccg	gatcacgatt	accttgttaga	catgcacaca	300				


```

actatacctt tgtccaacag atcataatat atctgctatc caactggttt tacctgccta 360
atcctactga tttgggcact gcttgatatag tctctcaagt tcacaggaaa tgttgatttt 420
ctaaggtoct cttttttaca gagtatacag gcaaagtgac aggggaaaaag gaattagtct 480
aagagtaagg ggatgattat tatattgagg ctaaaaccac aaagtggctc aggctttaa 540
aaaaaacact gtggataatg acaaaaagca taagtaaaaa ttttttgaga aaaataaagt 600
acaagttttg aacacccccc                                     620

```

```

<210> 154
<211> 843
<212> DNA
<213> Homo sapiens

```

```

<400> 154
cattgttagt gaccaagta aatttatagt ttttaagttc agaggaaaaa taaagcctat 60
tttttgtaa cagtcttaat aaataataaa atggaataaa gaaacccaaa aaaaaagaaa 120
aagtttgat gaaaattcat ccctatttct ttattttgga ctaagtagtc aaatttctac 180
tatattaata ttatgtaagc gacaccatt taaattcact ctctttgata gaaagggtgag 240
ttgattatca cacctgctat ttttctactg ccaaaragac tgcaataacc tccctccatc 300
accctcaaaa aacaaacaga aaccatctga ggcataagcca ttgtttacat attgtgtttg 360
tgtgcaccta tctacaacgt tctttcttct aaggagttta tctgccata ttttcggctt 420
cagcagcagc gctcttcttg acagactaag agaaggatct acagaaaagt catctgatta 480
aggttttggg tcaaattaaa actctctgga cagaatcctc tttccttcac ttggatttct 540
gcaaacagaa agcagattat tctcctggca caatagcgac tctagaaacg cttatgtttt 600
tcagactttg gcagaacttg ttaagaacag catcatcata atacatttgt acaaactcga 660
atttcagtgg ctcttttctc ccacatgatg catgatgaaa ttataaaagg tctgttttac 720
ccccacaggg tcatttcttt tgtgttctta cagagccaat aggcttcatt taagtccaag 780
ttattatatt aaccatccct ttcactagac tagagaactt ctttttcatg gtccatatcg 840
tga                                     843

```

```

<210> 155
<211> 674
<212> DNA
<213> Homo sapiens

```

```

<400> 155
tttcgtgtca gccccaggtt tgctccagct attcacaagc agaatataac acaagaaaaa 60
caattcatat cccttaggga aaaaagagga tcaattcatc actcaatatt taatacagcc 120
aaaatgagct gccaaaacaa gcacacacac aaatactgtg aacagaaaaa tacaagaaaa 180
tgactaagct gggagtcttg acggggtatg gacattgctt aaagcactta tcagtcccca 240
gaaaaaccaa accaaaaaca ttttttacga tggcatggcc tcatggcccc ctttaaaact 300
gttgatggta acaaagggca gggggtgggg agagaaaaca caatcactgc tccctttttg 360
ctcgccagtg tgactgcacc cctcacggca ccggcatgta cacaactacc acacaaggag 420
gaccaagtcc ctctgctggt ggctcctaa aaggcaaggc ttgagttttg gctgatgagc 480
aagttctctc cgttaccaat ccctgccaac cagcactacc atggctgaat tgatctaccg 540
ttttcctgag taaactgtaa ctggctacag tttcggtaac atggaaaaga actcagctac 600
tacagccaac tgcaataact caggaacccc ctccatccct ggggctcctc actcctagtg 660
catcttgatt ggat                                     674

```

```

<210> 156
<211> 671
<212> DNA
<213> Homo sapiens

```

```

<400> 156

```

```

ccttttagtga acaccttttat ctccatgtcc ctcttagagc ccagagagct gcccataggc 60
atattccaga attcctcatg tcacctagtt caatttccat taactcagat cagccattgt 120
gattcaccat ttgtcaggct ctcaggttta acaaaaccta ctatcaccat catccttcaa 180
cagccacagt ctgaattgag ccaacatttt tttttctttg agaaagaagt gggctggggc 240
acaactttta gtctgagggg agctagtagt cggttgaca attaaagcca tccataacaa 300
cttttctca aatgtgttga ctctcaggg gctaaactgc tcttagctta gaattatgct 360
ttactagaga tctaccatat aagtgggtta atcactacca tcctgtaact agttatatag 420
cttcagaca tgagggagac atcaaacagg gatggaagca accccaagga tatgcaagaa 480
gggcatgatg aacccccctc cctctggcag gagaacaagg ccaaccaagg gacagactgg 540
aaagcactta gatgtttaag gaggagaaa ggaagcttt gaccagtcct tgccttttgc 600
caagttcagc cagttctccg ctgcttgcaa cctctagcgc agtaacattt tgcagaattg 660
cagattttcc c 671

```

<210> 157

<211> 474

<212> DNA

<213> Homo sapiens

<400> 157

```

cgcgttcttt aattctttta gcttagaaa tcctttacac tacttaccta aagggtccaa 60
agtaaaacac acactagtag taaggctagt gcatttcct tctagcactc aaagaaagct 120
taacattttt gacagtttgc aaataccgcc ttgtatttct gattcagcct tattcaaagt 180
atcataataa aatattttatt aaatstatgt tgatctgcgt gcatttatga tctccagatt 240
aacgttaggc ttctctgttg ggccctaact tggaggtgct tttttggatc cctcctccc 300
tgattcattg taatttcatt tcccttgta tggctctgac cagagaagat tctaaatata 360
tgccccaaa gccaaaatta tatcttttga aaagtgaat gaagagttga gtcastaatt 420
tatttttagat attactgcct aaaacaattc cccaaaattt atggaagttg gagg 474

```

<210> 158

<211> 584

<212> DNA

<213> Homo sapiens

<400> 158

```

ttggattctg cagttccaca tcattcactc cggcaaagga gagaacttgt aacaaagatg 60
agtgccaagt ttagtcaatt taccctacct ggaatactat atacaactct ggggtctcatg 120
tgtgttaaaa tacatacagt gaagctgagg aagagccact gaagtaaaaa gtattgttta 180
caagttggaa aggatgtaaa aataatctaa agtatactaa gtcaggaata aaaggcagag 240
ttaataaaat tgtggctggg actgatagac gaaacagata tattttctaa atcctggaat 300
aattattaaa aaattttaca tgtatcaatg gattccagac tccatatttt aagtttcaca 360
actactgtca tttaaaacta taccttattg aacgtctccc actctcaata aattacccca 420
aatcactctt ctccaaaacg taaatttgga acacactgac ttacaaaattt tgggcttaat 480
ttataggatg ttgtggccct caaaaatata attgtgggct aaacaaaata aattcttgaa 540
acaattctaa aaatcaatca ttgtccaaaa tgaacttttt ctaa 584

```

<210> 159

<211> 671

<212> DNA

<213> Homo sapiens

<400> 159

```

cctaatttta ttacttttct tgccactgct attattgata gaaatacaat taaataatta 60
agatgaacca atccattgga agattactaa aattgtatct tcccaatgcc tcctacagta 120
agatttcttt ataattataa cccttgagga caatttgaac tttattttaa tgttctgctc 180

```

```

aatctaaat  ttcttctcc  taggctgaag  cctgatctaa  ataaggaagt  agttgggata  240
tatccacagg  ctgtcgaaca  tggagctgca  tctgagagac  aggtggcagc  aaccaaagc   300
aaagcagggg  ctgagaacag  gcaggttcca  agagcaaaat  ggaacttgaa  agccaagtat  360
ggttcactgt  aaaggagaaa  atatagaaat  acggaactag  aacacctggt  ctgggatgtg  420
gtaagcacc  aaaatatagg  aaaactgtat  gaattcttgt  gaagcagtaa  actatgatag  480
taatcatgtg  acacatatga  taacaaactc  aaaacaggga  aaagaggggc  tttattcaat  540
gctggagata  agtgaaaaaa  aaagtgaagt  gtctcaagga  cagaagttat  catctcaaaa  600
aggcatatca  gctagatctc  gcggaaacca  tatgattatc  ataattctag  actctgttcg  660
gtattacaaa  g                                     671

```

<210> 160

<211> 315

<212> DNA

<213> Homo sapiens

<400> 160

```

ccagagaggg  agggctctgc  ttcaccacag  ggcaccagaa  gaggactggt  gcgcgggaag  60
accaggtaat  cataatgcta  ttaaaaatag  cagtaatcat  actgttttat  acattgtata  120
atgtcataag  gatttttaact  ttcattgtaac  ataattgctg  taaaagtttc  cccagtttgt  180
tttgtgctat  ttaccttggg  gttaaaatgt  gtaagaattt  acattttagg  tatgttaggt  240
ttattccttt  ttatatgggt  tctgtttgaa  attttgattt  tagaagacat  tcattctcaa  300
ggtcataaaa  cacac                                     315

```

<210> 161

<211> 607

<212> DNA

<213> Homo sapiens

<400> 161

```

tttytgtgtc  accttgata  attgcttaac  ttttaaaatt  tacgttccct  catttccaaa  60
aagggattat  aactcactgt  tattttgata  attgagataa  atgtacgtac  aagtgccttg  120
aaactgtaaa  gtgcattata  aacagaggga  tttaccatag  aggttctacc  ttgatgtatc  180
aagagaagcc  ttttctggaa  tctggtgcag  ccttgtaga  tgctgttagg  taaggggact  240
ccttggtaga  atttcttaca  tttgtgtaaa  aagttctggt  tcctgagtaa  ttccaaagaa  300
gatgctatga  ggagttcact  gtgcctttga  tttgatccca  atgggtcaga  atatgttttc  360
tcattcagta  ggctactaca  ggatttgaag  tagaaaaaac  aggtccagt  gaccttcacg  420
ggatcctaga  tgttcatgaa  tttcaatcat  ttgagattgt  ggggtgtggt  ccaatgctgc  480
tctcaaaaag  atgttgccct  tcttcasaga  gcattaataa  ctaaaaaatc  ccctgggtccc  540
aaattttattg  tgtgtmtctg  aaggctttta  ctgaagaaat  gaaawgcaca  ctcatggaac  600
aaactaa                                     607

```

<210> 162

<211> 443

<212> DNA

<213> Homo sapiens

<400> 162

```

tgagttttga  aaaagtgaat  aatcaaaaagg  aaaataattc  cttgttggtc  ataaattaag  60
catcactaaa  gtctcttgaa  aggcatctct  gtattgggca  agatttaaaa  tactaaagcc  120
ttaggtccta  ttcataatga  aagtagcatg  tttgtaacct  gttactattt  ggagagagaa  180
gcagttgcct  gccacaattg  aagactacct  ttcaaatagc  aaaagagaga  gagaaggctg  240
atatttcggg  ctttttaata  aagattttgt  tggttctgct  tttactgtaa  ctgtcacttt  300
cccagtgaag  atgatttcac  atacatttga  gggctttaca  sgtatgggta  aagttctata  360
aattgcaaca  aatgatatac  caatttcatt  ttatcctttt  tgtattgtga  aactggaaac  420

```

tttatgacat tgtaaattat cag

443

<210> 163

<211> 686

<212> DNA

<213> Homo sapiens

<400> 163

```
caggcaaatt atagtcaa atcatcaccc cctcaggcat ctgtggcaag gcatccctct 60
agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag 120
ccccattggt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt 180
gaaaaggatc ccagaacttg gatttagcat atcagggtgt gtctgggggt gaggaacccc 240
attcagacct gatgatgatg taagttagct ttgtatatc ttgaaacacc tataaagttt 300
tatttaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaactta 360
ggtagacatc acctggattc cccactctat tgcttacctt ttgtttttgt aatttgatca 420
gttcaagtta aaacaattta accaaaaact atgaatgttt atgatataat gaaatgattg 480
ttaactttct tattgttttt tcacacacct ataaaagtaa ttttattact cccaagagaa 540
atcactaaag gcagaattac tagaggtaaa aataactagg gttggtacag tattactcag 600
gagaagtcaa ggggagaaaa cttgtcccaa tgattcaaaa taattttggc atgggggggg 660
ggagggaaaa aaatttggct tccttt 686
```

<210> 164

<211> 706

<212> DNA

<213> Homo sapiens

<400> 164

```
ttttttttgt ttcatttgct gcttaaaata aaaattataa attagattta aatggagcac 60
taattataaa acagattgca agtaccacca tttgaaaaaa aaaaaaaaaa tcagtggatt 120
tccataacac agaaaatgca tggacatgca tctacagtag agttaaaaat ttcctgtgac 180
taaaaaatta aaaactggaa tcaccagtag caaatgtata gtcaatggct atgacaagaa 240
cagatcctgc cgagctcata aatgcaatta ttggcttttt tgctttataa aaaagacatt 300
acatatttta ttgcattatt ctctataata aaacataact accacgtagc tctccccatc 360
cccattcttt gcttccagat ttttatagaa aataactgtt ttagtctggc cttggaaagt 420
gaacccacca gcaccacctt cacctactca ctcttcaatt caatatgcac atagcaaaaag 480
ccaacacttc aaatctcttg cccacatcaa aaaaagtagt ttcaggagaa aaacattaat 540
accagttgaa taaaaataag ggcataaaag ctatgagaga gatagctctg ccatctgtct 600
ctgggctaaa aatcaaggct aactattgcc tttggcacca caaggttcaa ggtccatggt 660
tttattagaa aagtcctccac aaaaaatta aacccccctc acccca 706
```

<210> 165

<211> 427

<212> DNA

<213> Homo sapiens

<400> 165

```
tyywgggcaa ttaggcagga gaaggaaata aagggtattc aattaggaaa agaggaagtc 60
aaattgtccc tgtttgcaga cgacatgatt gtatatctag aaaaccccat tgtctcagcc 120
caaaatctcc ttaagctgat aagcaacttc agcaamgtct caggatacaa aatcaatgta 180
caaaaatcac aagcattctt atacaccaat aacagacaaa cagagagcca aaatcatgag 240
tgaactccca ttcacaactg cttcaaagag aataaaatac ctaggaatcc aacttacaag 300
ggatgtgaag gacctcttca aggagaacta caaaccactg ctcaaggaaa taaaagagga 360
tacaacaaaa tggaagaaca ttccatgctc atgggtagga agaatacaata tgggtgaaat 420
ggaaaaa 427
```

<210> 166
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 166
 accatgtttt cgttgtgtgt gagcagggaa gggaaactttc ctgccttatt taaacctggg 60
 ccgaggattc gtggaatctg ctgatcaga gactctgagg ccaaaaacgc atcatacttc 120
 ttgg 124

<210> 167
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 167
 tctgcatagc aaatatgatt taagaattta acatcattat ttgatcacaa gcgtaaatat 60
 gtcaccataa ataaatgtaa attcattgta caaaaattcc caacaactct taatacaaat 120
 atggtacatt tgacagtttc tgaacagat tattttttaa acttttttaa acctaagctt 180
 tatttttttc ctgggttatta gacacacaca aaaaaataa aaagaggctg gg 232

<210> 168
 <211> 677
 <212> DNA
 <213> Homo sapiens

<400> 168
 ttccacaatt aaccaacatg caaaaattct cagactaaac actgagaaat tcttcataca 60
 atgcatttgc caccttattg cattttttaa atctttattc tatagtgaat tggattatcc 120
 aatctgccta agcaaaggca tgcccttcta acaagatttg cttagagcag aggtgataga 180
 aggaagaatc cgaagaccct ctggcatggc aatctgggag cagcacattg ttgatggagt 240
 ccaagtgage acatttcaca caattcattt agtgacaagt gggcttgctc ccttttcac 300
 caggaaaaaa actactcaca gaccactgcc cagaatctgg aataagaacc ctcatcttaa 360
 ggtattcttc ccaacaaata aatatctaaa tattgaaagg gggcatatca gaaaacttaa 420
 aagacacaat aaccaaacc aaaaccctct tcaaaacaag taagcaatgt ctgtatttag 480
 ttcactctaa aacattctta gcttttctg cagtttgctc ctaaaagatt tgattgggca 540
 caagaggaac gaaattatta ataaaataaa agcttatttt tgtttttgct gtggataatc 600
 ggtacaaaac gtttccagat ctgagactta aatggatctt ttaaggtgaa aaggagaatg 660
 ccaggttcta ctgaaat 677

<210> 169
 <211> 635
 <212> DNA
 <213> Homo sapiens

<400> 169
 ttaagaagac tgggcattta tactctctct tgctagtcag cctggagcaa gcttggagca 60
 gacgcacatt tttgtactgg cacatatctt tagacgacca attatagttt atggagtaaa 120
 atattacaag agtttccggg gagaaacttt aggatatact cggtttcaag gtgtttatct 180
 gcctttgttg tgggaacaga gttttgttg gaaaagtccg attgctctgg gttatacgag 240
 gggccacttc tctgcttttg ttgccatgga aaatgatggc tatggcaacc gaggtgctgg 300
 tgctaattct aataccgatg atgatgtcac catcacattt ttgcctctgg ttgacagtga 360
 aaggaagcta ctccatgtgc acttccttct tgctcaggag ctaggtaatg aggaacagca 420

```

agaaaaactg ctcagggagt ggctggactg ctgtgtgacg gaggggggag ttctgggtgc 480
catgcagaaa gagttctcgg cgggcgaaat caccctctgg tcactcacat ggtacaaaaa 540
tggttttgac ccgctaccga cagatccggc cgggtacatc cctgtctgat ggagaggaag 600
atgaggatga tgaagatgaa tgaaaaaaa aaaaa 635

```

```

<210> 170
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<400> 170
ctgtgatctc acaagtgtga aaaatcttat gaatgtaaaa tgtgtggaga ttcttctttg 60
tttttagctt ccactttggg aacatgtcaa agcacacatt gagaagtccc atgagtgaag 120
gagatgttgg aaagcccttg aacttggtcg ttaggaaaca tccacactga agaggaacct 180
gactgtatgg aaggtcaaaa aggctgtatt aatttacctg caaaaagtca cactagagga 240
atgccatata agaattgcttt tggtaaatat acatgtttta aagagggtat atatcattaa 300
taaaaatata tagctgggtc gaagaccctg agttatctca attgttcacg gttacagatg 360
gaactcttta ttattgagga gttccactct tccccctatt tgtcactact acacttcctt 420
agtcttttaa acaatttttag gctgggtgca gtggctcatt cctgtaatcc cagcactttg 480
aaaggccgaa gcgagtggat catttgaggt caggagtctg agaccagcct gga 533

```

```

<210> 171
<211> 568
<212> DNA
<213> Homo sapiens

```

```

<400> 171
cccttgscac actttccctt aagtattgca ctacaagtct aagacacttt tcaactcaaag 60
ttccttccct ccttacctct cttttaactt ggagtcagac ttcatcagt ctgacaactt 120
ctccctgtct ccttcccttt ccccccttca caagcatttc acctaacaaa tttcttatgt 180
gcttaatccc ctcttagaag cagatgcca gatgggatta agcacataag aggtcctgga 240
ctaatacaat gacaaaggct ccccttgaag catcacacta aaaggaaaaa aaaaaaaaaa 300
acctagccat ttacatttaa ctatttctaa aatatagtat ttgcttccct atttgctaaa 360
acaaaatata ctaaactga ctattccaaa aatctgtagg gtactaagaa tatgaagaga 420
ttcactctac ttcaggggat ggagttgtag tagaaaaggc ttgtgtggag gaggggtggtg 480
tttgaaatgt actttaaaag ccctcctcaa agcctcgagg gctataacct gcctgggtgat 540
tatccaagga cagtccattc aaacaggg 568

```

```

<210> 172
<211> 167
<212> DNA
<213> Homo sapiens

```

```

<400> 172
ccatttacag gaatcagcca cttcagttca gacagcttta ttaaaccgcc tggagcgaat 60
tttcgaagca tgttttcctt ccatacttgt ccctgatgct gaagaggaag ttacttccct 120
gaggcacttg ctggaaacaa gcactttgcc aataaaaacg agagagg 167

```

```

<210> 173
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<400> 173

```

```
<210> 174
<211> 474
<212> DNA
<213> Homo sapiens
```

```
<210> 175
<211> 655
<212> DNA
<213> Homo sapiens
```

```
<210> 176
<211> 660
<212> DNA
<213> Homo sapiens
```

<400> 176						
cctgggtcaaaa	gtggggcatta	ccatttcaagc	attactagac	atcacccgtaa	cgaaggctct	60
gttcacatga	aactaccctt	tctccattgg	gggctcagac	tctgctctca	tccaggatcc	120
tgaactctgc	tccaggcacc	tgttcaacct	tctctcccac	ccactgcttg	tcaatttact	180
gactccagtt	acattgaaac	aattttcagt	ctaagggagg	attttctacc	tttcagagct	240
gacctccgac	tttaagactt	gacaggtatt	tatcttgaaa	ccagagaggg	agctggagga	300
aaaaaaaaact	gagcaagcac	atcaatgcct	tttccaccct	tcttcacctt	ttccacactc	360
accgactgcc	attaccaaaa	cgccaagcac	aaccggtttg	gaacaagacg	cattccgttt	420

```

taattaaaac caactcatta tgtatTTTTag tgggggggaa ggggggcaca atcagggttt 480
tcaccaccaa attttccaca cggtttctga acaccattgc cttttaaaaa actatTTTTc 540
cacctccaaa atatTTattt aaatTTattt tattacggag gtgggtattct tcctttggga 600
gccaaattgg gaaatTTagg gaacctTTTT tattaccggg ttttttgggc gggtaaacc 660

```

<210> 177

<211> 459

<212> DNA

<213> Homo sapiens

<400> 177

```

ctttttctct tcctctgtgg aatgggtgaaa gagagatgcc gtgktttgaa gagtaagatg 60
atgaaatgaw tttttaattc aagaamcatt cagaamcata ggaattaaaa cttagagaaa 120
tgatctaatt tccctgttca cacaactttt actctttaat ctgatgattg gatattttat 180
tttagtgaaa catcatcttg ttagctaact ttaaaaaatg gatgtagaat gattaaagg 240
tggtatgatt tttttttaat gtatcagytt gaacctagaa tattgaatta aaatgctgkc 300
tcagtatttt aaaagcaaaa aagggaatgg aggaaaattg catcttagac catttttata 360
tgcagtgtac aatttgctgg gctagaaatg agataaagat tatttatTTt tgktcatgyc 420
ttgkactttt ctattaaaaat cattttacga aaaaaaaaaa 459

```

<210> 178

<211> 720

<212> DNA

<213> Homo sapiens

<400> 178

```

ctgcaagctc ccaactccttc catttatctt aacgcccagg ctgacttcta agctgctttt 60
cactttccta cctccactgc attttcgccc ctgataattt ttgtaagctt acctaagcct 120
cccttctttt gagatccctt tcttaaaaagg gtccattcta ttaaccctac cccatatcca 180
gttactttta ctacctgctg atctatcgct acctgttcca attcatggga attacaggg 240
gcactgggac aagagtaaaa tgatccaaca aacataatgt tgcattttaa aaaataagct 300
aaaagatact gatgactttt tataactaca acatattcgt ttgtgaataa gaacatatat 360
agtaaaaaga tgaaaatgtg aacaggttga ctatttccta aatttatggc agaaggttgt 420
tctggagagg atgggaagaa aaaatgaagg ctggcagtga tgggtgggga aatgcaacct 480
ccaaaattat ctatctatat atttttatta aaaacaccca cagtaattat ggcaaatgtt 540
aatggtttgt ttgttctaag gttttggata catttaagat ctcttgcttt ctgggtacca 600
tttcttttct tttcttttct ttttttttca aattaattcc aaaagactta tatctgctac 660
atgaagaacg aagcaagttc agctctcttg gctgaaatgt tcaaagtctt gagggcaagg 720

```

<210> 179

<211> 427

<212> DNA

<213> Homo sapiens

<400> 179

```

ctgtgaatct gtctggttct gaacttattt tttagttatt ggcaatcttt gtattactat 60
ttcaatctct tcttggttta atctaggagg gttgtatatt tccaggaatt tatccatctc 120
ttgtaagttt tctagtttat gcacataaac gtgttcatag tagccttgaa taatcttttg 180
tatttctgtg atatcagttg taatatctcc catttcattt ctaattgagc ttatttgaaa 240
cttctctctt cttggttaat cttgctaatt gtctatcagt tttatttatc ttttcaaaga 300
accagctttt tgtttcattt atcttttgta ttgtttttgt ttgtctcaat ttcatttagt 360
tctgctctga tcttcgttat ttcttttctt ctcttggtt tgggtttaga ttgttcttgg 420

```


tttctct

427

<210> 180

<211> 728

<212> DNA

<213> Homo sapiens

<400> 180

```

caaacacaaa agtcactgtg tgtgtgatgc ttctccaatt ccactcatcc tggctgccat 60
tcatgcacta gtgcatgtat gcatttttac attttttaaa ttacaaaaat caacctatta 120
taactgctta gatatatatg aagtaaaaat gaaagttctc cctttacatg acccatcccc 180
catcatttcc ctctttatct tatactgtca gcattcccag cttgtagcac agtgtctggc 240
aatagtaaat cctcaaaaaa tgatcaatga ataatttaat aatgattaat aaataaatta 300
atgatgatgg tgaagataaa ttttagcatt tattgaacgc taactacaaa ccaggaggag 360
tggtaaatat ttataaaaaa tcaatgaatg agctaaaatg ccattctatt atttttttgg 420
atacggttta atattttact cataaatatg cttaaagaat attataatta tatgacttag 480
aatggtaaaa caatatgtac agcagtatcc tatttttttag aataaaaaata taaatatgtg 540
ctcacatatg tgggtggggc atgcctagaa acccgattag aacgggattt tttcttacc 600
ccattttttt tacctgggaa aaatatggga aaattttatt tcccttcttt ttggttctaa 660
aatttatata caggagccta tttggctttg gataaatcat tttaaaaaag gtggtttaaa 720
aaaaaaaaa                                     728

```

<210> 181

<211> 546

<212> DNA

<213> Homo sapiens

<400> 181

```

acaatccttt ggaagacact actgggcttt ggggtgctgt ttttaataat tgagttattt 60
tgagcttgcc aagtaggagc tattgcctgg actaaaaatt atttcctaatt cttctgatga 120
ccaagaaagg aaaaatttaag tttgcagatg ggagatgaaa tatagccagc gaatatgcat 180
actggttctg aatgaaagga attaaacttt cagtcaagaa acagtctgca tgccgtaaat 240
tgaatttttc ctgcaactgg aatgatttgt taattctttt tgaacactgg cctttctccc 300
caagaacact aatgaattgc taatatTTTT taaagaaaac tggtttttta attaggttaag 360
ctccacttcc tcttattttt taatccctaa agaaaactgt taaaagggaa tggatctatc 420
acgccttttc ttttaaaacc acctttttta aaaaggattt ttccaacccc caatttgctc 480
ttatttttaa attttgaacg ccaaaagaag ggaaataaaa atttttccct taattttacc 540
ccctta                                     546

```

<210> 182

<211> 333

<212> DNA

<213> Homo sapiens

<400> 182

```

ggccactctg actgggtctg ctaattcaca tgctctttgt gacatacggc tctaagaggc 60
agaggctgga agagaagtat gtgggttgtg ggatcaagat acccaagttt cagtcttgac 120
actgtatta cttagtcagg tgaccactgt aacttcatct tgattgagcc tcagatgtct 180
cacctgcaaa atggagtttg aaatttgcta tgggtgggtg tcacacggat taaatgaaat 240
aatgcctgtt aagcgcctat ccagcactta ataagatggc cactgcatca taatgctttg 300
ggcacaagta acacaacatc caacccaaag ggg                                     333

```

<210> 183

<211> 393

<212> DNA
<213> Homo sapiens

<400> 183
ctgaatttct tgggctttat gtggcagtgt ggtaaaaata tatgatcaga ttccactgtt 60
aagaaaattc ttccagcaat acatgtagag tcaagtttct tgcattgata actgaacatg 120
tgggttatga gatttttaaaa aatgtctcgt gacaaaacttt acggaaatgc aacaatctgg 180
acatttagtt ttgtctgaga gtggcgtgga tatgaagaac tgtgctgttg gtgctgatgc 240
cacactaagt ttggcagtc acactcttgg ttcttcatat ttgaggagat gggatggatga 300
ggaggcctgt tggctttatt ttattacgtg ccaccatcta gaatacagat tcttgatgat 360
ttcatcttca caaagggtgaa gctgcaaact cag 393

<210> 184
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 74, 503, 629, 656
<223> n = A,T,C or G

<400> 184
ccaggscawt gaggaaaaagr gaaagaatwt arrggstwt caaataggaa aaraggaagt 60
ccaaattggt cccntgttkg ccagataacc atgattgkgk atttagaaam ccccatgwt 120
tcagcccaaa atctccttaa gctgattaag camcttcagt aaaktctcag gataaaaaat 180
caatgtgcaa aawtcacaag crttcctatm cgamcaatam cagmcaaaaca gagccaawtc 240
atgagtgrac tcttattcac aattgctagt aagagaagaa aatmcctagg aatacaactt 300
mcaagggatg tgaaggwtct cttcaaagaa gaactacaar ccrctgctca aggaaataag 360
agaggmcmca agtaaatggg aaaagcattc tatgctcatg gataggaaga atcaatccc 420
tgaaaatggk gatactgcc aaaataatt atagattcaa tgctatcccc atcaagctac 480
cattgacttt cttcmcgga ttnggaaaaa tctactttac acttyatagg graccaaaaa 540
agaagccwt gtagccaaga caatcctagg caaaaaagac caamcctgga ggcacacag 600
tmcytgactt cmaactatwc taccaaggny tmcrgkgmcc aaaacagcac ggkacntggt 660
mccaaaccrg acwtwtwgac cmmcagacac agaacmgagg 700

<210> 185
<211> 192
<212> DNA
<213> Homo sapiens

<400> 185
ccagyccttc ttttaagtaa gcgctttttc aagctcattg tagctacaaa gtcaataaat 60
tggtctttgt tatttttacc tgaaaaggct gttaaagggt aaaatgacaa actcaaattc 120
aaagggattg gaggatttg tgtttatgat ttctcagaac aacaatctag agaccaccag 180
ggtgggtttc ag 192

<210> 186
<211> 688
<212> DNA
<213> Homo sapiens

<400> 186
gtgctggaat tcgcccttag cgtggctcgcg gccgagggtg gatattttct ctggatagat 60

```

ttcagatagg tagttccctc aaataagatt atatgggttt gcattttcaa ggcagagttg 120
tatacttcct gctcttttatt taaataaaaa aacttgaaaa tctgttctgc ccagtattgt 180
aagcgctcag gtacaaatat gaatgaaaca atctctgcct aagtaacaca agtataggga 240
caagattctc agtaaaattc tcacgtgaaa tttgtaactc actagacact atcaggagat 300
caataattat gtaattaaaa aaaataatta cctgccaaac tgggttcttc tttggcactt 360
ctgcttggtt ttaagacaat tctcacatag aagcttatta ttccccatta gtcattccat 420
agatgtaaaa ctggtagaaa caggacttga attgaacatt ctttacaagt aagttatata 480
gcttctgaaa aaagggcttg aaaaagcatt tttggggact ataagaacct tcaaagtctt 540
tcccctctta acaaacctta aaattatatt gaaaataatt taagggggct gattttctct 600
tgtcaaaatc ttgaaccca cttaccaggt gggttggtcaa accaaagttc aaaaaaagc 660
ttctggcctt tcctttatcc cacttgca 688

```

<210> 187

<211> 779

<212> DNA

<213> Homo sapiens

<400> 187

```

gcaaaaaaca gatacatatt cagtgtttta aatgaacaa gtatggaaag gcttatacag 60
taactgaaaa gtctcctttg ggaagccaag gtgggaggat tgcttgaggt caggagttca 120
agaccagccc aagcaacatg gcgagacccc atctctacaa aaaattaaaa aatcagccag 180
gcatggcgga catacttgta gtagtaacta catgggaggc tgaggcgga ggatcacttg 240
agtccgagag tttgaggctg cagtgaagcc caacgcgcc tgtactccag cctgggcaac 300
agagcaagat gctgctctaa aagaaatttt cttttaaaga aaaaagtctc cctcatagcc 360
tgttctacaa aagtcctatt tcttcccaca aaaagcctct ggtacctggt gttagttctt 420
ggggtggaag attactttta aaaatagaac tatttttta gtatatcttt tagggaactt 480
tagttcccga agcttttaga aatgggatct tgaaaacaaa agggatttca atacctatga 540
caatgcttaa agaattattg gggcatttat ttttcaatgg agggccaca aatctttgga 600
aacccttggc caattaccag aagccacttt aatttttgac cgaaaatgtt tttaaaaatt 660
ggcttttgga aaaactgtct ctttcccaca aaatgaaaac cttgaaaaaa aggggaattt 720
ttaaggttgc cccctcatta aattttaacc cctctgaaa aaaaccctct tgtgacagg 779

```

<210> 188

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 307

<223> n = A,T,C or G

<400> 188

```

ggcgamgtct ggycaccatc atgcccttta atcaactcac acctgtttta agagtgtttc 60
tgatttgacc ttcattccctt agtttactgg cgtaaaaaa agtctcagca attttcatta 120
tttctcgtgg gtctcattat caaaccttta cttatttcgg catatttcct ctgggcttct 180
tctagtttct gccttacaag caatgctgtt ctgtaaattt attgaaacct ctggaacatt 240
tcacctttag agatggagga tggaaggatt ggyaccagaa gagggctaag atacgttytc 300
tgtcttngag ctgaaagcac agyctactct ccttcgtttt gycgatgaga aaagttgagg 360
ccagaaggga ggtgacatgt ttagatgcac ccag 394

```

<210> 189

<211> 681

<212> DNA

<213> Homo sapiens

<400> 189

```

aagttctgac tttggtctat aaaacagggg tatttggtgt ggctgcactc aatatctaaa 60
aagttattag gaagtgcctc gttattgtca tttaaagatat ctaaatatgg tagaccaaag 120
gttggtgaga aacacatatt atggactgag ttctgtttct tctgctgtgg cgcacctaag 180
ctcaagcctt ccttctctcc ctcccccttct ggccggcatg gtatctgagc tcacagacag 240
acaaggcatg ttagaatcat cagatcatga gcaccgtgct gggatttagc cctctccaaa 300
gtcaattctt acagtccata ctttgcttaa atcctcagtt gttgaggtct gctctgctgt 360
cagtaatccc agctataaat ttcccccaaa tgtggggcct agataaagta gaagggtgat 420
ggactcagct tattttcatg ggatgacagg aactggaaag agaaaaggga ttgaaaataa 480
aaagttattc cagaatagca ttaaccctct tactgttcaa gaattaagaa agcctactta 540
gaaatgaggg ccttgagaat gatacccaaa tattggtctt tctacaaaaa aatggccttt 600
ccaaatatct gctttcctgt tcccccaattg gctttttaag tagaattaag ttacctaaaa 660
ctttacctga aggggtggtt t

```

<210> 190

<211> 839

<212> DNA

<213> Homo sapiens

<400> 190

```

caaatacatg atttccattg gcatagactc ttctatagtc tctcaggcac accttatgac 60
taataagaac actgtcttct agatataagc caagtttttag gagttatctt tgtagtttct 120
gtgttgagac tatgggtctt ccctgtgcaa agacttgatt agcaaatact atttgaaacg 180
atcccaaatt catagtgcag ttgaccaccc ttctgatcaa ggggatctct gtatatccca 240
tgaaagcttc ataggtctca ccctagatta agtgcttcac ttctcaagac agtgaacaga 300
tggaagactt ttgtagtatt cattatacaa ctgtgccctg tgtgttttat tatacaacca 360
gagaactgag gcactggctt tacctgtcag ctacgccagg ggtgtgacgt catctttctg 420
acttgatcac acatgccaca ttgcttaata tttcaagctt agactgaaat aatcctgtgg 480
taaaaaatth ttggggggct ggggaggtaa agaacaaggg ggggaacttt ggaatattht 540
tattcattaa tcatatttcc cgaattgtat tttattttga aatgaccata agggacttaa 600
atacgtattg tggttaaatt aaatggacct aaatggaggt aagtaaacct aatgggacaa 660
atgaataaaa gggttatgac tgggagcatt tacccatgaa cctccttaga agctatthta 720
cctttcttht ggaaagccct gaaggctggg aactthaaatt thaaagacag tacctattht 780
cagaatcgct tccaaatggc catgtththt agggccaaca thttgggatg gccctgccc 839

```

<210> 191

<211> 697

<212> DNA

<213> Homo sapiens

<400> 191

```

ccatcctgaa tactgattth ctaatggaac tctattcaat ggcgattgta aaaccctgag 60
gctccgttac tattatggag catactthca tctcattctc ggctattggg caatatgtat 120
ctcataagat thtatcacat ttcacagat aactgttaat tgattccatg ggtacgatta 180
ggcgagatcc aagctggagc tgcagctctg agtcccataa attctttgtg cttctgtaaa 240
gaataaatct gththtaatg caaattthaaa ctactggcag ggaattthtg ctcccagtta 300
thaaaagact ggaaatgtgt aagtggagaa aggcaataac tgcagtaatc tcttaccgga 360
ctctattata attthcaaca tacataatgg tgagaaaaac cgggaaggga agaattgtggc 420
aatgtccact cthtgcccc aacataaccc thaatthcca tggcgggccc aaactgtgt 480
aaaaacaaa atggtaccct ctatagcatg caactththt thcactcaa acgaaaaatt 540
atthtgacta tggcttgagg aatccattag tagaagaagt thtataacct ataggaaacc 600
ggccattthca ththtaccaa atcacaggaa ththtagaat ggcaaggaa ttacaggaa 660

```

acttgcccaa ttatcttttt ttgggggact aaaccaa

697

<210> 192

<211> 687

<212> DNA

<213> Homo sapiens

<400> 192

```

ctggttacta tagctttgta gtataattta aagtcaggta atgtgattct tccagttttg 60
ttatttctgc ttaggatagc tttggctatt ctggatcgtt tgtggttcca tataaatttt 120
aggatagttt tttgctatth ctgtgaagag tgtcattggt actttgatag ggattgcatt 180
gaatctgaag attgcttttg gtagtatgaa cattttaaca atattgattc ttccgattaa 240
tgaacatgga atgtttttcc tttatttggc gctctcttta atttccttca tcagtgggtt 300
ataggtttca ttatagagat ctttccttct tttgggtaat tcctacgtat ttaatttatg 360
tatcgctatt gctaaatgga atgacttttt aaatttcttt ttacattgc tcctgggtggc 420
atattaaaag ctactgatgg atggtgattt tggattctgc cactttactg gaattgggtg 480
atcagttcta atcgttttct tatgcacccc tttacgggtt ctacatgtaa gaatatatca 540
ccttcaaaca cggataattt gacttcttcc ccatccaatt gggaggccct ttatatcttc 600
tcttggcctg aaggctctac ttaaaacttc ttatcccttt gttggaataa cagtggggac 660
aaatggacat cccttgatcat ggtccca 687

```

<210> 193

<211> 493

<212> DNA

<213> Homo sapiens

<400> 193

```

ctgctaaaat gatgttgcta aagcattcct ttttcttttg attaaacttc atgtttacaa 60
aaaaattaat tctagcagaa taacgaatgg ttttgttttc tagttctctg ctgaatgaac 120
agttttgcc aattatcttca tagagtatg atataatgaa tgcaacctca aatgcaaacc 180
aaccaattca cagtcctatc cccaatcact tccttcatca gcctcaaaaa tcgctaagt 240
aaccagtaga atggtttttg agcagtaata ggaaagcaaa tagaaagta agggggactt 300
tcaacgccaa caagaccaat tcagatcctg atctgactgg tttctaatac aatctctttc 360
cagagtaatg gagcatgagt ctgccacaca gaactttaga gagagtcctt tatttcaaag 420
actgtaaagt tggagaagatt cattcatctg caaagtcaaa tgtcaaaagt tgtgcttccc 480
actcctcatc agg 493

```

<210> 194

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9, 12, 17, 30, 179, 187, 265

<223> n = A,T,C or G

<400> 194

```

cyagggcant ttagcangas aaggaaatan mggggattca attaggggaa wraggakarw 60
caagttgtcc stgtmtgcag atgmsgtgat tgtatatcta gamcacccca ttgtctcagc 120
ccaaaatctc cytaagttga taagcawctt cagcarmgtc tcasgatscr acmtcwatns 180
gcraaantca cmwgcatctt tatacaccaa tawcagacaa acagagagcc aaatcatgag 240
tgaactccca ttcacaattg ctacnmaaga gaataaaaata cctaggaatc caacatacaa 300
gggatgtgaa ggacctcttc aaggagaact acmaaccact gctcaaggaa ataaaagagg 360

```

atmcaamcaa atggaagaac attccatgct catgggtagg aagaatcaat atccgkgaaa 420
atgg 424

<210> 195
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 12, 29, 35, 36, 38, 42
<223> n = A,T,C or G

<400> 195
tgaacaccct tnggaaggaa cctgctcgna tgtannanaa anggaccgga cagtctgcta 60
aaatcgccct ctttagacgc ggcgcgccgg ggcagagttt ttctctgggtg ctttgacctg 120
tatttggttt aatgggtttg tcctaattctc ttcaatcaat aaaattgtgc gtatttaact 180
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 229

<210> 196
<211> 557
<212> DNA
<213> Homo sapiens

<400> 196
gcggtggctc atgcctgtaa tcccaccact ttgggaggtc gaggtgggca gatcacttca 60
agttgagagt ttgagaccag cctgggcaac ataacaaagt gagatcttat ctctacaaaa 120
aaattaaaca aacaaaaaaaa caaatcaaca ttcatattgca gggctctttg gtcttcttaa 180
agaacaaaca tatgaaataa ataagctgat tcttaaagat aacaaatata atgagctttc 240
tcaactgtaa aagcatctct aagttgttct atcaatgcat atccactcca tgaactaacc 300
tgaagaaagt gttgaccatt ctaccaatt aactgtaaac taagattgct ttaatgggtt 360
gcctaaattt gagtaccttt aaatttttgc tttttatcca aattcattct cccttcttca 420
aattaaatag ttttgttaga aatcgataa gcaagatgta ctttttagaa agggcaatag 480
aatcctacaa catgctagaa tttgaaatgt ttttttaaat cagtmmtttc tctatgctag 540
taactaagaa aattata 557

<210> 197
<211> 624
<212> DNA
<213> Homo sapiens

<400> 197
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ttactttgtg ggatagagat cagaaaaaga gtagagatga aaatactgga gaaacaatgc 120
aggagatatt tatgaggtga gaatgtcaag aaacttgtaa agggagaata ctataatgac 180
ccctgaagag agagcttttag accagttgag tattagaggt tgccacgtgg ctattcatcc 240
actaataaat acaagaaatt actaaaatgg aagccactgg aaatatgttt tgaggaaggt 300
gagaatgtgg acctattata aatgggtgaa tatgatttct ttctcattaa gttcataaat 360
aactttcaga catgtaacag tttatgaagt gtgccgtagt catttagtat aagttttata 420
cacaaaagtg tttttactaa gactgtcaca ggttcttttg tgaatcttgt ttgtttttcc 480
tcattgtaaa tactgcaata gaacatttgt gtcttaacat aaggcaataa atgaccttaa 540
gaaccttcac ttttatatag aaagtggagg aaaagtgggc agagtaattt gttgattata 600
gataaaagct cttgtagaaa ttgg 624

<210> 198
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 198
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 cgtaactagc acgtgaacat gactgcatgg atacacgggt cagcacgagg ctaaagtcag 120
 aagtgagtga aagcaaaacc gcatgttgat ttaagtgaat taacagaaca gaaaa 175

<210> 199
 <211> 871
 <212> DNA
 <213> Homo sapiens

<400> 199
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 ttctcaggaa aagcatcacc attgttcac ttcgtgcaaa atgtatgcac aagtatcttt 120
 ttatttttaa aaaagccctg acattttatg actgctgctt ttctaagata ttttcaaata 180
 tacagtccat acgggttcaga cacaatggac tggggataga gacggctata gtgccgataa 240
 tggagaaact agccagagct tcagatatgt gttttccagg acatctcaat aattgggtac 300
 acctcacaat atgtgagact tgacgtcgag tggcacggca tactctggcg caggcacttg 360
 ataaagactg tgtttgcaaa tacttagcct gcacttcaag ataccaggca tctaagcacg 420
 tcccagatgg tgacagttaa tcttcaaaaa accctatgtg gaagtattat cattgtcctc 480
 attttacaga tgaggaaaaa gagacacagg gatgtcaata tcttctccta ggtcacacag 540
 caagtaagtg atggaacagt ggctcagcca tgaagctatt gctgttaacc actaggttga 600
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 tgcgttttga ctcttggtta ctgcttagag gaagattcat tctattattt tctaacttag 720
 taaatatgtg caactccttg gggacatgac caggcaaaaag ctggatacag aaatgtatgc 780
 ccaaacacca tcccaagtta cccctaacag gtcttttctg gaccctgttt gtaagggggg 840
 tatatttggg aaaattttta aaattttctg g 871

<210> 200
 <211> 737
 <212> DNA
 <213> Homo sapiens

<400> 200
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 ctgctattgc tgaactatcc tttgtcttga gcgataaaaag agaagtaaaa tactaaagaa 120
 ctgaaactgtc catttctgga ccatgagtaa agatgctggc tgcataaact cctgttcata 180
 cattagttta tttatagagt gtactctcta tgtaagggtat tgactgataa tgttactttg 240
 acttcagata gcttgagctt taatggagga agaagacaaa catgcaaata actaggtcaa 300
 tgaggcatcc tttgtgttcc attggaagct aggcctgctt gtaaccttgt taatttctgt 360
 gggttttgag tgcatctatt agcaaatata ccccttggtc ttatccattc tctgcttttt 420
 tctttatttg gcatttgatg acattttttc atgtggggaa attgagtcag gtgaggttga 480
 aagaaaataa ggacacgaca ctaaattctt tgatgttttt ccttaaaaaa ttgtttttca 540
 agtgctccat aaaggggtgt gaagttttaa gagccatagg acttggttta ttgtgaaaga 600
 gtgtctctag ggggccaggt taaaccattt caaggactct ccttctctca tctcccttgt 660
 tccaccaggt gtggcgaccc ccaaaaagca caaagcctcc ctttcttcat gggaagggtg 720
 aggaacggaa gggaacc 737

<210> 201
 <211> 493

<212> DNA
<213> Homo sapiens

<400> 201

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tctagaaatg cagcttttat ttattacccc atttctttca agtccttga aaataacata 60
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tgagtataaa ctcatctact tcaaatttat tttataacac aacctaagat actcaagata 180
attattttaat ggtagctct taagttgaat tggctacat aatgcgtggg aagaaaacca 240
gatttttagc cttcttgcca aatccagacc tctggtgat tttctttga cagaagatgc 300
aagttatatt ccaatttcac aattaaatgt atttaacatg aacattattt tgctttaaaa 360
actataaaca ttgtaggaga attatagcca gtcttcagtt ataaccactc caccctcctc 420
actttctctc tctctctctc tttttttttt gctatgggat ttaatgggaa aaatatgtaa 480
aaactgtcac taa 493
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<210> 202

<211> 283

<212> DNA

<213> Homo sapiens

<400> 202

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cctttttatc tcagtgcac cgtccgggga cgcaggtggt ggtgactcaa ggctagcctc 60
aaagggcagc cccacctct catcctggac cacagagacc acctgcttg cgcgccgtcg 120
cttttccgag aggggtggtg actccggggt gctggggctg gggctgccgc ccccgccgct 180
gttgctgtac tctcgcgcc agtcgatggg ggctgccctc ggacagcagg tgcaggttg 240
gggcactgtt acgcaagacc atgctgcccg gagaggtaga tct 283
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<210> 203

<211> 713

<212> DNA

<213> Homo sapiens

<400> 203

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ctgcttttgc gcaaggtgcc actggacgag cgcacgtct tctcggggaa cctcttccag 60
caccaggagg acagcaagaa gtggagaaac cgcttcagcc tcgtgcccc caactacggg 120
ctggtgctct acgaaaacaa agcggcctat gagcggcagg tcccaccacg agccgtcatc 180
aacagtgcag gctacaaaat cctcacgtcc gtggaccaat acctggagct cattggcaac 240
tccttaccag ggaccacggc aaagtgcggc agtgcccca tcctcaagt cccacacag 300
ttcccgtca tcctctggca tccttatgcg cgtcactact acttctgcat gatgacagaa 360
gccgagcagg acaagtggca ggctgtgctg caggactgca tccggcactg caacaatgga 420
atccctgagg actccaaggt agagggccct gcgttcacag atgccatccg catgtaccga 480
cagtccaagg agctgtacgg cacctgggag atgctgtgtg ggaacgaggt gcagatcctg 540
agcaacctgg tgatggagga gctgggccct gagctgaagg cagagctcgg cccgcggctg 600
aaggggaaac ccgcaggagc ggcaccgcag gtggatccag atcttcggac gccgtgtacc 660
acatggtgta cgagcaggcc aaaggcgcgc ctccaagga ggggctgtc caa 713
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<210> 204

<211> 275

<212> DNA

<213> Homo sapiens

<400> 204

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gtagacaagt acagcagatc cagacaccag atctagctag gctaaatgta cagtatctaa 60
cttgatctga actgaacctg tattccttga tgatgcctaa aactacatcc atagaattct 120
ggtgaacctg taatacagtt ctgaaagtac agttttatat aataagatgc tgatctcttt 180
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attctttcaa gtaagagtgc tagagaacaa attgtgttac ttgccttggg atttattgaa 240
cgtctggaaa atgctgtctt cctagatcca aacag 275

<210> 205
<211> 694
<212> DNA
<213> Homo sapiens

<400> 205
ctgttctctgt acattttaact gaaaaaaaaa taacttaaaa taatataaaa atagcactca 60
tgtatgtcct acagttatag gtgaaatttg atattgtttg tcttacatag catacctata 120
gacagcttaa gtaaagtgac tgttaagagg gttatgctta ttgatgaact cttgtagttg 180
cttaccagct ctgttagtat agttaaattg atctcagtag cttcaagtat ttataaaatg 240
gttgaagtc aaatacatgt gataattaca atacactttg aattaatgga ggggtgggagg 300
ctagttgaaa tgcattttat ttaccaagg agtatgttaa aatgatagtt ataaatgttg 360
gaagtttaaa gcaagatact cagtttagtt cttacaaat cataagaaga acaaaattag 420
atgttgacat tgctatttta ggctgtgtgt ttcccatatg cttcttgctt tccctgtcac 480
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cacaatgggtg ttagctgggc agaaagagtg gcctctctgg ctaccgggct gggggcgacc 600
tttaccatag gatgaagtaa ccttgcatc ggctgcaagg tgtactgtac cgtacacagg 660
tgctgggtcg atggccactt tctgcttttc tttc 694

<210> 206
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 12
<223> n = A,T,C or G

<400> 206
tttttttttg gnaaaaaacag ggtttcatca tgtttgccag gctagtctca aactgctgac 60
ctcaggggat ttgccgcct caccctaatc aactttcgta agtcagtatt taccatctaa 120
ctcagtgtcc caaaatttaa aatttccttg cactttacag caaaaatata tattggggct 180
ctactgaagc aatatataca tgtcaaaact aaaaatcaga aaagcaaaag ggtccattca 240
acatatagca gcttatattt aaatatgtac aggtatgtat gttttcacag ttagatcttt 300
aaaaaaaaat atatttgata tgttcaaaaa tacttctatt ggctataaat aatattttta 360
aagctcaact gatcaaaatg cattccaaga acatatcaaa ttaaataaat cttctacgtc 420
tttaaaaaaca gataattgaa gtcagtaaag cttgaggttt gtgttaagtg tattctgtca 480
gtccctacta ctagggaagg cagaatcttc taaatacgat acgaaagaaa ctcccaaagc 540
ttggaaggaa tcggcagctc ctgaactttt tggggggggc atccctcttc gggattgaca 600
tgcgacataa atgttgcaag ctaagggacc cccccgggg gagtggggcc caaaaaaac 660
cacaccttcc ccgtcaatgg tggcccccc accaacctta aaaa 704

<210> 207
<211> 225
<212> DNA
<213> Homo sapiens

<400> 207
ccattttaac tgtactgcca atagaattct ggaattgtgg aaaattgtat cattgaagtt 60
cagtaggatg tgtggcttaa aaatttatca ggaccacaaa aaagaaaaca aaaatatttg 120

gtactgaggt tcattgccag ggcaggaggt atttccagaa aatactcatg cctgtgttct 180
gttccttgct ttcccaaata ctgcatgtga ctttcctaag cggca 225

<210> 208
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 382, 391
<223> n = A,T,C or G

<400> 208
cctatatcta tcaaaaaaaaa tccagttcct aactaataat ctcccaaaaa gaaagcacca 60
ggaccagatg atataaatgg caaatTTTTT caatcattta aggacaaaat aataccaatt 120
ctgtatcatt tcttccagaa cacttcctaa ctcatcgtat gaggccagca tcaactctaat 180
agcaaaacca gataaagcca ttacaagaga gagtgcagaga ccaatgtggg tttattgagg 240
atgcaaacaa aattttaacat aatattttaat agtgaaaaaac tggatgctct ttcctaagt 300
tagagattaa ggaaagaatg tccccttcac tactcccata caacacctta ctgaaaattc 360
tagctagctt tataaaataa anaaaaacca naaaataaaa taaaagggtg acagactgga 420
agatacagtg aaggaggaag aaataaaaatt ttctttgcgc ataacatgat tcttctatgt 480
ggaaatcaca gagatttgaa catttttttt ttttgagaca gtttttgctc ttgttgccca 540
ggttggagtg taatggcgcg atctcggctc actgcaacct tcacctcccg aattcaagg 600
gattctcctg cctcagcct tcccggagta agcttgggga ttaacagggc atggcacccc 660
ccatgcccc agctaaat 678

<210> 209
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 366, 399, 406
<223> n = A,T,C or G

<400> 209
attattttga accctagcat ttagaaatga aaaactTTTT ataacaatca aatacatgat 60
aaagtatgca aagagtagga aattattctg atgacatatg gagggttaca aaggagaaaa 120
ctttttgcta cctctgataa agaatagact aaattctcca agaccaatct gactgggtgc 180
ataataaaag gaggtacaca cggaagcaca agggatgtgt gcctctggag gaaaggctcag 240
gtgaggactc agtgagaaga caagccaagg agccaggtct tggaagaagt caacctggt 300
gacaccttga tcttgacta accctgtgga caccttgatc ttggactttt agcttccaga 360
actgcnagaa aataaatttt tcttgtttaa gccaccana gtgtantgtt ttgttatggc 420
agccctaaca aattaaaatt atattttaac agagaatata aaattctaata ataacatttt 480
acagtaaagc attcatggtc ttttttttct tattaataaaa tccatcaaaa cagaaagttt 540
tgcaaaattt taacacattt ctctaccact actgtttcta ctctctttaa actactccgc 600
aaatataaaa atagaaggcc aaaatgcac attaaaacga tgtttgggga ctaatggcct 660
taaaattcta ttacacttgg aaatatacaa atattcaaag attatctatt gatcacctca 720

<210> 210
<211> 277

<212> DNA
<213> Homo sapiens

<400> 210
tccatgtatt tttatacaga atggaacaat atgtatgtat gcaatykttta cattccacca 60
tgaaataaaa cagtataatg aaaataacaa tagattcaaa caatgatatg ctatTTTTTT 120
ttacctatga cattggcaag gtcttcttaa aaaatctgcg aataaccgat gttggagaga 180
tcatggggaa atagccactc aaatgttact catgagagtg tacatatgtg taacttcact 240
tggaggggcaa tttggtgata catttaaaaa gttttgg 277

<210> 211
<211> 715
<212> DNA
<213> Homo sapiens

<400> 211
gtggtagaaa tactaatttt gcaattacag aaaaaaacia atgccattca catggttyct 60
aacaaaaagt gtctgaccac cccaccccc caccctcaa aaagccctta aataaagagg 120
aagatcaaaa gaaaacaaaa taattcccga gtttcacctc atacatacaa tatagcacag 180
gaagtggcaa agtttaaaat aatgccttta ctgttaggac tagtatgctg tcaaaagcca 240
caatcctttt gttttagtga gttgattttc aatagaaaaa tacaatgaa catgtgttta 300
agttccaaca tggattgagc acctctgaat ttagtatcaa atgattaatt ttatTTTTtca 360
gatgtcaaat cttagtataa aattttccat tatttttaaac ttcacttgaa tctttaaaaa 420
agctgtctaa attgtactat atgagttcag tttaatcttc tgtaaaatgc taacaaattg 480
aactgtcagc agtcttttaa aaaaaaatgg gggctgggtt atttctagaa gaactctcat 540
taagctttga aaatcagaaa tcagagacaa ataacttcag atatagacta gctccacaag 600
caaatttata caattatctg taacagtcta tacatatatg tgtatatata tataccgtaa 660
ccactttcat aggtaaaaaa tattaacttc atgtcacact atgatcagaa gtata 715

<210> 212
<211> 717
<212> DNA
<213> Homo sapiens

<400> 212
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gaaactcttc ccacaaccca gcagtagata tattaaaacc tacaattttc agggatacaa 120
ccaatattta attcttttga gggttttgtg tttaatacaa ggacacaaac acacgtataa 180
aatgacgatg tcaatactga ttaaacagaa caacaaaata agaagctcaa attatcatca 240
gctattgtgt atatctgaaa taacaataat gcacttgatt ctgaaagaat gattagagtt 300
cctactctga aaatctaatt gtcttgatgt ggcgaagtga gaagaaagga tgatttttct 360
aatgaaaagc atgtatacgg gtagcccttt gcgagattct gtcaaaaccc tgaattttgc 420
attagctggt ttaccaccca aacgttttta cccgaggatg tgcagcaatg ggaactctca 480
tacactgctt gtgggaatat aaatcagtat aaccactttg gaaaaccatt taacattgtc 540
aactacagct ctacacacaa gtgctataac caccatttcc actccagggt atacacccta 600
aaaatatgaa gtgcccattg ctacccaaaa ggccgcctaa aaggaatgct ttgagaagg 660
gttaaccttg ttaattagtg gcaaaactgg gaaaacaacc ccaaatggt cccatcc 717

<210> 213
<211> 599
<212> DNA
<213> Homo sapiens

<400> 213

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cctgttttgg cgaggcagga ggggaagcggg atgggagtgg tggttaggcc aagggtagtt 60
caaagcgatt cagcaggatg atgaccacag gagtgctgga gccgggcctt tcagcccccg 120
tgtggatgat gaccggccat ccaggacatg cgagggcttg ggacagtgga cagccagtgc 180
cacacaagga aggaccgatt aaatgacaca gttaaaggaa tttggcctag ggagtgaag 240
ccagaaaggt ttggtctttt tatatatgta acattggaaa aaaggaacat ctctgttcc 300
ctgtattaag ttttgacttt agctcagcaa atgcagtgtt tgtggcagta aatatactct 360
gataacaatg ttctttccca ggaatttaga gttttatgat ggttattgaa aatgtttaca 420
tgacaggctg tcaataatat tttttgcctc taaaaataaa acatacataa agtgtacgga 480
ttttaagtat gcaactcact gaacttttca taccgtaata caccacccta gtaacctcc 540
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<210> 214

<211> 789

<212> DNA

<213> Homo sapiens

<400> 214

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ccttatgaca aaccttgcta tgccaaggat atgcttcact atcttcatct atcaaaacac 60
tatgcatcat agatatctaa ttttttcatc tcttgcatga agtctttcct gatttccctc 120
tgctgaaatt tctctcttca aatgatgtgt ttccatagta ctttgtccct tttcaaagat 180
atatctcaca tcgcatattt taccacagtt agtttcattt cttaactctc acactagatt 240
acaaagtcaa tatagacaaa gaaatgttca accttatata acctcctctg cctatgctgg 300
taaattgcac ctactatgtg ttcaataaga gcttgtcttt ttcaatatac aaaactttgt 360
aaagattaaa gacctttag aaagtcaaga ggaagatagc aatttcactt ctaagaactt 420
accctaagga aacattcatg aagagatata aggggttatg tgcattggatg ttcatatca 480
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ccttatttga agtcaagcat tgagaatgta ctttatctgc attatctcac tgagttctcg 600
tagcagccct ataaggtaca gactgttatc taagcttaaa aaaataaagt taatgtccaa 660
ggtcaaacaa ctagtaaaag aagggggcta ggaaatttgg aacccccaaa ggggcaacct 720
ctcaagggct atgaatcctt accattatta taaggaagct tggcccatgg tggcccaaaa 780
aaaaccggg

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<210> 215

<211> 765

<212> DNA

<213> Homo sapiens

<400> 215

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ggatgtctga gcaggagaga gaccatgtga aggatggact gaatggagac ttgtatcaaa 60
gagtctgagt atcaaagact tgtattagag aggggtgttg tagtaatcta gtcagggtat 120
gagaaatggt ttgtattaga gtgtcaggag tagtcgtggc aaaaatatat agatcaggat 180
gagggatggg cctcatctca caccctgact ccagtcaatg gcagtggctc cctggagtac 240
actactatag gaaggathtt gtaaagtttt gtctggcctc agtggagggt gaggtagggg 300
aggagttcta tgaacagtta gtggtgtctg ccattggtga aacaatggag aagggggaca 360
ccttttctgt gcagatgttg cttctggtag atataatcca caatgtaatg ggagaagtac 420
taagaatcag taaattatgg aggggtgtaa agactactga tatttaagcc tgcggaccgg 480
acttagagaa atgatagtta aaggagaaat atccagcaaa caaagatatg acattgaagt 540
ttgggactgc gattagtacc agagatttgg attggagggt atttgtatag aatggatagg 600
tgattttact cttgcaattt ggattgaggg gtggggaaaa ccagaaaggg gctggggggg 660
aaattagtag aaggtcacct tgaattcatt gtggtccata tcaatgctga aactgattgg 720
ggaacttttt actcttgagt ccctttgtaa gggaacccca gaaag

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<210> 216

<211> 780

<212> DNA
<213> Homo sapiens

<400> 216
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ttaagggtg ggtcagaaca tgtaagata acttactgta tatgtattcc cttgtatttt 120
gttaaaagt gaacatttga tttttttcca tttatttatg aaaaaatatg aacctatttt 180
catttgtaca aggtaattgt tttttaaaagc aagtcacctt aggggtggctt taattgtata 240
agtcaagcac atgtaataaa ttcaaaacct gcagttaaca ggatattaga catcaatcct 300
ggtaaccaa tattaagat tctcttttaa aaagactgaa catgtttaca gggttgaatt 360
aggctaaaag gtcttgacgt ggcttttcat ggcccttcaa attggaatgg aactactgta 420
ctttgccatt tttctataaa tcagtacttt ttttttaatt ttgatataca ttgtgtgaaa 480
aaagaaaatg gctaataaac tgtattaaat cttaaacaat gtataaagat tgcacttagc 540
cagttcaaag tgtatactta ttcataatga attataacag ttatatttct gtgttttctt 600
gtaaatgttt cttttccctt aaatacagat aattcatttg tattgcttat tttattatga 660
gtacaacaa aaggacttca ggaacaagta atgtattagt atgggttcaag attgttgata 720
ggaactgtct caaaaggatg gtggttattt taaatataaa tagctaattg ggggtggtaaa 780

<210> 217
<211> 810
<212> DNA
<213> Homo sapiens

<400> 217
cttttaggca gcccggcacc ttcattccata ggcagagaga gaactgggtg ttggagactt 60
attcgaggg ataggaagg ccctgtgaag ttgatttaac ttttgatgt cagactgtga 120
aagctcctga gaaacttgg gtaataggat cttcttttgg ggatgaaaat ggggaaggcg 180
tgaggaccta gactacttct ccctagggtca gaaaaagaga attaccctt gacaaatatg 240
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ggaattggca gacagcttcc taagggcggg gagcgggggc ccaaggctga cactgcttgc 360
atccacgtga ccttaagtta tggcagatga ctctgaaacg gactgaggcc aatgagaaca 420
gatggatgga gcactcagg tagacttggt ccttctccta tgctggagga gagggatggt 480
tctctagaat gttggagggt agttgagagc tcgcctcttg aatgttgaac agtgactct 540
tctgaaaact gcatattcac tttatgtggt ttcagaatac tgggctcaat actaacataa 600
gaaagacact tcattgagaa attcttaagc ttacagaaaa cctatctctt tgcacattcc 660
acataacccc tagcaaatg caggttcttc ataactctgt cttttttcca ttggaagaat 720
tgcttaagga aaaattaatt cctatttatt cccacaaaag gttgggcatt gctttgattt 780
taccatggt ggggaatgtgc ctttgaattt 810

<210> 218
<211> 817
<212> DNA
<213> Homo sapiens

<400> 218
ctgctccctt atggaggtct cttcattaat aattattgga tagatagaga aggtgagcct 60
gtggcttcca agtaccggct tttgctgaag gtctacatgg gaagaagagc atcatttgat 120
attcagtaga tctgccacac ccaactggct ccactctctg gaaaacagca ctactacaa 180
gcaactgtaa tagcaccac caatgaccac gctgctcctg ctggctcttc cgtacaccag 240
taaatagaact caccaatgta ttgcacacat acatttcaca gtagtacaat aaagccctgt 300
atcaggagt gtaattcaat gacttgactc tatagtgcac tgcagcttta tgtcatacca 360
acattcaaat attcaaatat ctttccaatc catttggaaca aaaatacacc atggctgcca 420
agacacatgt atttttcttt cttccatgga ctctaaact gctcccacaa tcagcagtg 480

```

tcttctctca gaaattatct taagcttctc tactcaatgg gaggtacaca cagagacctg 540
agaatatgca gaggccagaa tctctgtctg tgctagagat caactgtact ctgccacct 600
ggggaacaca tcctctgggt aaagtactcg gaagtaaatt acattccctg gagacagata 660
cgggctttca ctgcagcctg ttagaaaaa caatgtctgt aagttacctc ataggtcaaa 720
gagttttgga ttatatTTTT cataatgggg ctatggcctt tttaccctgg ttttaataca 780
gaaccacctg cagaaaggac attgaaatta aaagcca 817

```

<210> 219

<211> 661

<212> DNA

<213> Homo sapiens

<400> 219

```

ggatgctgag gcaggaggat tgagtcctgg agtttcagga tacagtgagc tatgatcatg 60
ccattgcact ccagcctggg caacagagca agattctgtc tctaagaaaa ggaaaaagaa 120
aatgaataga tagtggtatt agatgttaat gacatcagtt gtttttattc tttattcttt 180
cttagaaaaca gattagtttt ctggaattaa agaactacca tttttctttt ttctacaact 240
ttcaagagct ggtgaagaaa tgatgttttag atttaataga tatagtagca gtcatatatt 300
aatagaatag aaactgagac tctaggaaaa agatagacat gagataagga gtaggcattg 360
tagacatttc tagatttttt atgaaaatgt tgtagaattc attttttttt ttggtctgac 420
ctttggcaat ggtgctgagg aagggaagc cagcccatca ggcaaggctc tgttttctgc 480
attttatccc gtttgattct tctcgttagg attggagcaa ataatttcaa tatgttcttc 540
gctgggttta tcatagtgac ccttcattta aagggacttt taacaattga cttaaagaac 600
actgagatgt gatattttat tgggatttga aagttgccat tgggttttac ctctcttaat 660
t 661

```

<210> 220

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 169, 171, 172, 399, 400, 401, 402, 643, 666, 724, 727, 731, 755

<223> n = A,T,C or G

<400> 220

```

cctcttttta ttctacaaa taattttcaa gtacacacaa ttgggtaaac aaagaaacaa 60
agccaccaag aatgaaaatc agtaggaata acgaacaaga ctcacagatg tcaaaacaagt 120
ctgtgggtct tgcagacttc agatgttgga attattagtc gtggcaagng nncaaaacat 180
tagctattac cattatgttt accaactagt gaagtgaact atgagaggat atattaacca 240
cagaagttaa tagaagaata gactcctgaa aatatctgga tgctacaaac taaaatatag 300
tatataatcc ttcataagat gtcagtgact tcatatttat aattacattt ttgtatatta 360
gcagtgttct agttcttact gccttatctt taagctgann nnaaataaaa ttatatattg 420
ggattcaaaa acacatagct aatgattact atgtggcagt gttacattac tttatcacat 480
atcattaaca taatctgcat gtgttcaaag agactttcat acttctttgt agctccact 540
tctttgtcgt ctttgtagct cccacaacat ctagaacagc acaaccgtat atggagaaaa 600
ctcagtcctag tattcgttga atgactaatg gaaaatttag ttnataaaca gaactttctt 660
cattgnacaa attatcttgc agaagaataa tggccttagt ttaaaattat catatttacc 720
catntcncca ngttatttta tctcttttgg ctaanaattt tgaaaacggt accttttacc 780
ctttggcatt tt 792

```

<210> 221

<211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 245
 <223> n = A,T,C or G

<400> 221
 cttttctgct gctccgggag gtggagtggc ctggcagagg gcacatggct gccacctgct 60
 gcaaggaaaa ttctcagtga agactcctca gtatgaagga gataagcctg cacaatcagt 120
 cactgataga tgcttagtggt aaaaacttcc aattcccatt tacagctctc agagctagga 180
 ttaaaaactc ctggtcataa actcatgtga tgagaagtta tagcacgccc tcattttcta 240
 catanccact tgcatttatg gttggctttt gaacttgcta gaagggaag aagtgcaaatt 300
 gtgtctcct tagagctact ctctcccct tgggtgggtt ccagtttggt cattgtccag 360
 atggcccagg agctgacgat caaagggaag aagtcatggt tgatcatgaga atgctttgct 420
 gcatcaggat tcagtgaagc tgttcaccgc ctggagccca tgcagcctca agaggcagga 480
 tggagctcag aaaccatcac tgagggttaga aagtgagcac caaagttgag ggaagccac 540
 aggagtgagc cgaagtgtc cctttggatt tccaaagtgg gtgctgctgc ttcttccatc 600
 agccttgctt ctgaccccaa tgcgttcctg gtgccttctt cttggcattt tgcgtgcggg 660
 ggcccaagga aaaaaattcc tgcattggcag tggtgaaaaa agatggctgc ctgctgaaac 720
 ctgatttggtc ctgggtaagc cttttggagc cccggttaa 759

<210> 222
 <211> 699
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 7, 77, 81, 84, 85, 278, 289, 291, 298, 301, 368, 395,
 433, 441, 508, 569, 633, 646, 667
 <223> n = A,T,C or G

<400> 222
 ccttntnaag agttggcatt aattcttcac taaatgtagg agtagaattt atcaggtaag 60
 ccacactgac ctctggncct nttncgccc gatgattttt aattagttga atccccttac 120
 ttgttatata tgtattcata tattctgttc cttcttggtt ttacttttat gattggtgcc 180
 tattgaggta tttatttcta gtttgtggta cttcatgtgt ttaggttttc tagacagtgg 240
 acatagaaga ttcaagaagc taaatgtagg agaatgtnta atgtaggana ntgaggcnac 300
 natatcatca atgaatgact tgaagtttcc tctgttgtaa agaatgatat taccataact 360
 gccatagnta atattgatgg tgtaagtcaa ataanaaggc aggaggaaag ggacatccat 420
 cactgaacca canatcagag ntcattgaa gcctttgaga agaatccaca aaattttaca 480
 ggataattca tttcctgcca tcaccacnag aagagaaact ggttaaacag acaggatttc 540
 cagagtccaa aaattttacat ttggtttcng aaccaaaagc ctcagctccc aggccacagc 600
 aaaagggggc ttatgaattc cctggcacc cagnccaaga cccaanaacc tcatcttgat 660
 tggtttnggg cttgggaaac caaaaaacca atgggtggc 699

<210> 223
 <211> 598
 <212> DNA
 <213> Homo sapiens

<400> 223

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aaaaagagaa agtttcagat ttgccattca aggcttattt atatatatgt gtgtgtatat 60
aaatacatgc acacacttgc atacatatat atttttggct gggggagtgt gagttttgcc 120
tttctaaggg agggaccgcg caggctcctt tgttctgtat tctggcggag atgggtcctg 180
gccttggtgc actggcttat ccttaaagat catctcccat cctccccagc gccatctgtg 240
tgcagcaacc agaaagggat gaacttggcc ctcttgcggg cctggacaag gtctcttcc 300
taccctttct gttgccagtc agcaacctgt aactcacatt ctcttcccag tgaatccctg 360
ggagcgcttg accctgggtg gctgttcagc ttctgtctgc tggggccagc aatttttgag 420
gatttatctt taggccaggc ttgcctccgt acttatccct gctctcccat ttctctcttg 480
tttgagagag aatgaggaag caaagagtga gaaagaatag gggctgaaga cgccactccc 540
agatggctct ttctatcctg ctcttctgtt gaaacacacg tgctgtgggc ctcaggcg 598

```

<210> 224

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 479

<223> n = A,T,C or G

<400> 224

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aaacctttat gatgacttcc ttatgaatta ctgaacgaac actggaatgg gactcaggta 60
tcttgaggac atctctcaac tctggcctta gttccccctc tgtaaaatta gggtgccaac 120
taaatgatct acaagggtccc ttccagcgcc gccattctgt aattacatca tgtgtaactg 180
tattaaacat acacaagtga ctgccaggca tgggaatgta acttccgagt aaatgctttg 240
gtttgttcag aatacactat gaacttcttt ccaaagacgg gttgtggtaa atagtggata 300
ttttgattat aagaaataga gtttcttga agctttagct ggagatacag caatagtgtg 360
gtgttcctac aaatatcaca gtgtattcaa acatatcttt ctatcaaaaa tcatttttgt 420
aaaagctgtg tgtttttatc caacttgatg taataaatgt tctttatttt agaacaaana 480
aaaaaaaaaa aaaaaaaaaa a 501

```

<210> 225

<211> 295

<212> DNA

<213> Homo sapiens

<400> 225

```

cctgtatagg gctcgtttcc ccacacatgc ctatttctga agaggcttct gtcttatttg 60
aaggccagcc cacaccagc tactttaaca ccaggtttat ggaaaatgtc agggaaaaaa 120
aaaaaaaaaa cacatgcact cacacaatac ccaaacaatca raattagaag ggcataaaac 180
agggggcttt ataggctgaa aaatatctta ratttcaraa cagaatacca atcaaattt 240
gaaaattcct ttgttcaaaa cacaagatg ttttgttttt aatgggagtt ttttt 295

```

<210> 226

<211> 372

<212> DNA

<213> Homo sapiens

<400> 226

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agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaaactta tcagtacttg 60
gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt 120
ccatgagaaa ggatattgagg actaaacaga taaaaaatat ggagcagaaa ggaaaaccca 180

```



```

ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat 240
tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat 300
taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt 360
atgaaatgaa at 372

```

```

<210> 227
<211> 599
<212> DNA
<213> Homo sapiens

```

```

<400> 227
ggcccccgtc gcgggagccg cttcgggcct tctgggcatg tctgccatat ggctccaggt 60
ttgtttttct ccccggaact ctgaacggga gggctcccgg catctcctgg catccgggta 120
gaggacgcgg aggatgctga gctgctggcg cactgcagca caactagaga tgtacggatg 180
cccccatctt gatcttacag aatcagagggt acagccgcga gaaagagtca agaacagaca 240
gagtcgcttg aggactcagg aggggtgttg ctgcgttgac aacagactac accctcacag 300
tttgctctgc tcttccaaca ccagtggaag atgatacatat cccaggggatc agtgtcgttt 360
agggatgtga ctgtgggctt cactcaagag gagtggcagc atctggaccc tgctcagagg 420
accctgtaca gggatgtgat gctggagaac tacagccacc ttgtctcagt aggggtattgc 480
attcctaaac cagaagtgat tctcaagttg gagaaaggcg agggagccatg gatattagag 540
gaaaaatttc caagccagag tcatctggaa ttaattaata ccagtagaaa ctattcaat 599

```

```

<210> 228
<211> 343
<212> DNA
<213> Homo sapiens

```

```

<400> 228
aaagtaaatt gtatgaaaaa ttcatttctt caattgcatt agccacattt tgagtattca 60
tgtggctggg agattctgta ttagcacaaa gatatggaac atttccatca ccacagaaaag 120
ttctgttgga cagcactgca ttagaatatt ttcatactgc tcttcctcaa ttaatttttg 180
ttgttaatgt tgatgtcttc attggatggg tcataatggt ccatgaaacc gctcaagtac 240
acaattgtat gttctttgta tcccttacca caaatatctc gctctgctca tttcttttgc 300
agcttcctat aaagtttgtc ttcctcaaaa aaaaaaaaaa aaa 343

```

```

<210> 229
<211> 417
<212> DNA
<213> Homo sapiens

```

```

<400> 229
ctcaagctgc agtccaccgg gtatggttct ggatggttcc cccaagggag caggtatgta 60
ggaggtgaag aaaactgaga tttcaagtat gggagagttt ttactatctc cattcctgga 120
ttaaaagtgc tgaaaaagtc cacagttaaa cattccttta ttcaccctat ggctcccaag 180
aaaagcattc ttctcttgga gtactggtgt actaagggga caatacacca aatttggtga 240
gtttacaatc aagtctacta aggttggact tccttatcag tttggcagag tcccagggca 300
gaataatcat ccatctacag gtctctgttt cctctccctc cgcagcagtg gagagcatcc 360
cagtgttttg ggcactgtgt tcctcttcgt ccctgcacca gaccctggaa gccttg 417

```

```

<210> 230
<211> 462
<212> DNA
<213> Homo sapiens

```

<400> 230
 gaaataccag aagagaaagt ttcattgtgc aaatctaact tcatggcctc gctggctgta 60
 ttctttatat gatgctgaga ccttaatgga cagaatcaag aaacagctac gtgaatggga 120
 cgaaaaatcta aaagatgatt ctcttccttc aaatccaata gatttttctt acagagtagc 180
 tgcttgtctt cctattgatg atgtattgag aattcagctc cttaaaattg gcagtgtctat 240
 ccagcgactt cgctgtgaat tagacattat gaataaatgt acttcccttt gctgtaaaca 300
 atgtcaagaa acagaaataa caacaaaaaa tgaaatatc agtttatcct tatgtgggcc 360
 gatggcagct tatgtgaatc ctcatggata tgtgcatgag acacttactg tgtataaggc 420
 ttgcaacttg aatctgatag gccggccttc tacagaacac ag 462

<210> 231

<211> 328

<212> DNA

<213> Homo sapiens

<400> 231
 ctgtgggttt tcctaaacgc ccctcatctg gttgaagccc tagtgtttct ttctcacatc 60
 agaggcaaat gcattggggt ggggtctggtt tggacaataa atttcctctg gtttggacca 120
 agaaaaacag agttctttga ccgctaacat atatgtaaaa agaaagtgtg taaaaacaag 180
 agttaaaatg cttctaacag tgtggctatc actgcacagg acactggaat tggcattcgg 240
 ggttgtgtct gtccatgtgg tttcgttgta tgtcatgtgc tctcagctca gacagagaca 300
 tccaattgac ttctgacttg gggcattt 328

<210> 232

<211> 595

<212> DNA

<213> Homo sapiens

<400> 232
 cgccaatttt agcaaataag agattgtaaa agaagcagat tgaatgaaga attttttagct 60
 gtgcagatag gtgatgttg gatggaaaat gctaatacaac taccctttct tttatcaagt 120
 aattaaaata aatctacata aagaaccaa aaggctgttt tataaaaagt aaatatccag 180
 tatttcagag ggccaggcaa gagcacttca gatgaggcag tcaaaatcat tttttccag 240
 tgaggataga ccacaagtgg gtgggtgagac cattgaaagc ctttatcaac tgaagagtcc 300
 atttaacagc ataatttgtg ggaagactgg aatagggctg aataaatgtg tttgaatctc 360
 taattttata ctttcttttc ctgaggaact tgatttttct gtccctggat cgccttgta 420
 taattgggtc tgttcctttt actaccactc ttgagtccat atatgaaatc attaaagtgt 480
 gatgatcagt tttttataaa aatatatatt tttgtccaag aaaaaaaaaa gcatacatat 540
 gtgattatgg ctaaatacaa ggtaactgga atgtatatac ttttgctaatt gttcc 595

<210> 233

<211> 600

<212> DNA

<213> Homo sapiens

<400> 233
 atgaaggtaa actctaaaat cttcataggt caacaaagaa aattttatcct tcacacttat 60
 ttctagaag cagcagggtc tatttcctag attgcttaca atgaagctag aatatctgcg 120
 ataactgtag agtttcaaaa aggatcccta gggctacttc tacgttctcc ttaccagttg 180
 agcactctcc ataatttcca gacgggtcat gggggagaat gatagaaatg agcgtgggaa 240
 gaaagacaat gaaattagaa atgggtgaga cacatgggtg tagaatgcta agagcaggga 300
 tcaggacaat caaccagggtg tctaggaagg gtcaagtcac cagtgtcatc tgctgaccaa 360
 tgtttaggaag aaataaaactc aaaggaaaca ccacattttt ccaattaaac tcaaattctat 420
 tgacttgtgg tggttctttg atgttgtggg gactgtcata acagaaacca attggatttt 480

caagggcaag aaactttgcc actgaataag atgatgtcat ccttcctgat aacaaatagg 540
aatgggtggt cagctctaaa cagcgtggac tgaggaggtt gcttttctac aatattactt 600

<210> 234
<211> 500
<212> DNA
<213> Homo sapiens

<400> 234
aaattcctaa ttcttttact atctttctcaa cttttcccaa agataaaata aatttcacat 60
aatttcacatg aggggaaatg gtagttgtaa aaaactacct caagtagcaa tcaccgctgg 120
cagtgttttc tcaactttctg ttctgcaatt gcaatcacac ttccaaaaag aaaagcaaat 180
gtttgctaaa ccatagacag acaacctctt tgtgactggt attataaggt ttataatgaa 240
aacttatcaa atataaaagg tgctccctct tgaaaatgtg tattttattt gaagttttga 300
gtaagaggtg agtgtttggc aattttcaac actcccctca aaaatctccc aaagttgcaa 360
aaaagtcagt ttagtaaaat tccaagcact taaatgcttc attgagggcc agttgatata 420
cgcaatgcac taatgtgtaa aaattaaccg aatgcaacta ttttataatg gagagctctt 480
accttttctt tccagttttt 500

<210> 235
<211> 159
<212> DNA
<213> Homo sapiens

<400> 235
aaaatttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60
caactttcag gccacagttt tgaaggtctg aagtattaag ttggtttgat gaattagtcg 120
gttggcactt acgaacacat ttattgcctt gccatcttt 159

<210> 236
<211> 254
<212> DNA
<213> Homo sapiens

<400> 236
aaataagtga ataagcgata tttattatct gcaaggtttt tttgtgtgtg tttttgtttt 60
tattttcaat atgcaagtta ggcttaattt ttttatctaa tgatcatcat gaaatgaata 120
agagggttta agaatttgkc catttgcat cggaaaagaa tgaccagcaa aaggtttact 180
aatacctctc cctttgggga tttaatgtct ggtgctgccg cctgagtytc aagaattaaa 240
gctgcaagag gact 254

<210> 237
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 497, 505
<223> n = A,T,C or G

<400> 237
tttttttttt tttttttttt ttttttcta atttttactt tttctcaagt ttaatgtara 60

catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct 120
 tgggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat 180
 ctggttatyt acctataaat ttcatggtat ttttttaaac actgaagtac taaaagcact 240
 gatgatttgt attataaattt ttaaaatatt taaaacctac acagatttca taratcattc 300
 cttttataaa ataatacaaaa taatttgatt atytggaata aaaaattctt gaaacaragc 360
 cttttccagg tatyttcaat ctctgtaaaa ccccaaacc caaacagagt aratgatgaa 420
 ataaggattt ctgagttgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg 480
 tttttcatgt ttctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg 540
 atggcctttac atggcctttca ctttgatttg tttcattttc atttgcttct t 591

<210> 238

<211> 252

<212> DNA

<213> Homo sapiens

<400> 238

aaatggcttt tgccacatac atagatcttc atgatgtgtg agtgtaattc catgtggata 60
 tcagttacca aacattacaa aaaattttat ggcccaaaat gaccaacgaa attgttacia 120
 tagaatttat ccaattttga tctttttata ttctttctacc acacctggaa acagaccaat 180
 agacattttg gggttttata ataggaattt gtataaagca ttactctttt tcaataaatt 240
 gttttttaat tt 252

<210> 239

<211> 153

<212> DNA

<213> Homo sapiens

<400> 239

ccacaataaa gtttacttgt aaaattttag aggccattac tccaattatg ttgcacgtac 60
 actcattgta caggcgtgga gactcattgt atgtataaga atattctgac agtgagtgc 120
 ccggagtctc tgggtgtaccc tcttaccagt cag 153

<210> 240

<211> 382

<212> DNA

<213> Homo sapiens

<400> 240

aaaaaaacca tctaaaagtg gttttttaat atatatatatt tttccaaagg aagaaatttc 60
 ttgcttttac tcagggaata aaaaaaatta aggtacattt gagtagaatg atttcattca 120
 aaagagttct ttcaggagac atctgtgatt cactgcattg tttttatttt cttctttttc 180
 ctcttctttt ccaacatttc taccattttc ctcttcttgg ttgatatacag gccactttct 240
 tttgttgctt tottactgtc acctgttaaa ccgcgtttct ttgtgttagg ttttgaccgc 300
 ttttcttctt tgtgcactgt gtcaccaggc tcttttttgc caattttgga ctgttcttta 360
 cttacaggag aaggctctgc ag 382

<210> 241

<211> 400

<212> DNA

<213> Homo sapiens

<400> 241

ggcattgagcc accgcgcccc gccctatctt ttacttttat aaatagagat gaagtttcac 60
 catgttgccc aggtcgtgat cgagctcctg ggctcaagcg atcccccaac cttggccttc 120

```

caaagtgcctg ggattacaag cgcgagccac cgaaattatt cttaactagc aagactaggc 180
tctgacatca catccttata gttacatccc ttttaagcagg gttcagccac tcaactctgca 240
cctggagaac ttgatgggta tccctcgaag tgacagtcct gcaaatagaca aaaacactcc 300
aaatctatta gggtgggtgca aaagtaatta cgctttttgc cactgaaagt aagtcccaca 360
ggaccctgag ggaaatggga ggggtggggtg tacatagcag 400

```

<210> 242

<211> 75

<212> DNA

<213> Homo sapiens

<400> 242

```

actcacatat gcagacctga cactcaagag tggctagcta cacagagtcc atctaatttt 60
tgcaacttcc tgtgg 75

```

<210> 243

<211> 192

<212> DNA

<213> Homo sapiens

<400> 243

```

gctccacatt tgtagcgaac actttgactc caaagagaag gaggaagaca aagacaagaa 60
ggaaaagaaa gacaaggaca agaaggaagc ccctgctgac atggggagcac atcagggagt 120
ggctgttctg gggattgccc ttattgctat gggggaggag attggtgcag agatggcatt 180
acgaaccttt gg 192

```

<210> 244

<211> 616

<212> DNA

<213> Homo sapiens

<400> 244

```

aatttttatag caatatactg accatttctaa aaataacaaa atacatgttg ctctcaacta 60
catagttaaa aaaggtagta aatttcttta cccaaaatag aggaggggtg ggctagttag 120
ctgctcaaac atttgtaaca aataaaaatg tatctatata catataatga tcatgttttc 180
atagcctaaa atcaccatac aaaatctaata aataaaaattg tgctgtgttc aggagttggg 240
aagccaacac attaaattaa caaagtattt ttggtatatg taaataatgg gatagaatct 300
ctcgaatcag gattgtccca gaagttctaa ggcagatgtc aatgacatgc acattgtcca 360
tgttcagtaa ttttcaaaga ctagaataaa ctatgtaaac tattcaatac aattcaatat 420
tacttaactg ctaaaaagta cttcaagatc ttgactgcc ttgagttagt ataatacaaat 480
tagtaattgg aaaatagctg taatagcagg cactgaagaa ttctgacaaa taccaaaata 540
ctgtttgttt ttaccaaata aactggtaag atgatatcac aaagggtttt aagttatttt 600
gctatacaag gttttt 616

```

<210> 245

<211> 165

<212> DNA

<213> Homo sapiens

<400> 245

```

ttggaacagt ggattaaaat ccagaagggg aggggtcatg aagaagaaac caggggagta 60
atctcttacc aaacattacc aagaaatatg ccaagtcaca gagcccagat tatggcccgc 120
taccctgaag gttatagaac actcccaaga aacagcaaga caagg 165

```

<210> 246
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 246
 tgtactggat ccctccaggt gggggcgact ctcacctgac tattacaata gcctcctaag 60
 tggtttccct acttgcaacc ttgcccgat aatatctatc ctccacacag caggcagggc 120
 gatcctttaa gaatagaagt tagatcatga aaatgctctg ctctgatccc tgcaaaagct 180
 cgccacctcc ttacagtcac cgctgaactc gtagcagagg ttcaggagg 229

<210> 247
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 67, 206, 244
 <223> n = A,T,C or G

<400> 247
 ggaaaccgtg tgtacttatt ctggatgatg ccaccagtgc cctggatgca aacagccagt 60
 tacaggngga gcagctcctg tacgaaagcc ctgagcggta ctcccgtca gtgcttctca 120
 tcaccagca cctcagcctg gtggagcagg ctgaccacat cctctttctg gaaggaggcg 180
 ctatccggga ggggggaacc caccancagc tcatggagaa aaaggggtgc tactgggcca 240
 tggngcaggc tcctgcagat gctccagaat gaaagccttc tcagacctgc gcaactccatc 300
 tccctccctt ttcttctctc tgtggtggag aaccacag 338

<210> 248
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 248
 tgaaaacaaa tgaattctca actcctacgg ttcatgtaga gtttagagaa aatttccatc 60
 attgtcatca ttgaactgtg aacctgggaa gccagatcat gattaacact gacatcaagt 120
 ttcaagttgc agatcaatgc acccagtgtt cagatgaggc aaacttctcc gtgacaa 177

<210> 249
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 249
 aaagtaatga ctttattaat aaatatacat ccatatgatg atgtagatac aaatcatgaa 60
 cactactcca ttcccataca cataattgca cagagtagc tcaagttcat ggacataaaa 120
 acatacacag tatctattca gactttttac agcagaggac agcgtgctta ttatcagtta 180
 attggttaatt attttctcca aaattacctg tggaaaaaag aaattctgaa aacttaaaag 240
 aatcaaagtg atctgattac ttt 263

<210> 250
 <211> 333
 <212> DNA

<213> Homo sapiens

<400> 250

```

aaaaaaaaaca acagcgtaaa tattagccca caagagcagt cctaaacaat cacaattaca 60
ctgtactacc caagaagact gtttattgtg aagcatttac ctttcaaaaa atcattacat 120
ttctatttct tgggtggagca gcacattgtg gagtgtgatt ctttaattctt cattgagttt 180
gtcaatagga cattgatgct ggatagggtg tcttttgttt ttatgcctca gaccatcttg 240
tgagattggt tgcctatctc ataatacagt tttatgcaga aagggttgaaa ctatgtaaat 300
ggtttttatg gaaattatca gttacaatat ttt                                     333

```

<210> 251

<211> 384

<212> DNA

<213> Homo sapiens

<400> 251

```

aaaccatttg tacaaaactt ctataaattt ttctctctct ttctctctta tgtacaaaaa 60
tatcttaata tatccccgaa ctgggttagga tagatacaaa tagatttttt ataataaaaa 120
attcacaaaa gattggaagc attctataat gaaaatggta gaaaagacag tgtgagggaa 180
gccatggggt ttgggaatcg ggccctggag gagaagcaga gtttcaaagg gctgagaata 240
gcatagtttc actgtaaac aatgtctaca gcttattggg gtgggggcta ctgagacgaa 300
agacaccaac tcgtttctag agggctaaga actgcacttt aagaaagggc ggggaggtga 360
agggaccoga gcaagaactt tcag                                     384

```

<210> 252

<211> 211

<212> DNA

<213> Homo sapiens

<400> 252

```

aaagcagtct gaaaatggga catctgtaga gaaattcatt tccttcttct cctccggatg 60
tggaatggaa gctttgaggg aaggaaaagt aggaaaagag cgggatggga tgggatggga 120
tgggatggga tgggatagga agagaggctg gggaatgggc agagaagggg gtgctgagtg 180
tgctgtgaga tagagcaaga tcacaagaag g                                     211

```

<210> 253

<211> 135

<212> DNA

<213> Homo sapiens

<400> 253

```

aaaaattggt tcttgacaag ctgacttggc acttaagtgc acttttttat gaagaaaaag 60
tacaatgaac tgcttttcct caagcaataa ttgtttccaa cttgtctggg aattgtgtgt 120
ctggttaactg gaagg                                     135

```

<210> 254

<211> 361

<212> DNA

<213> Homo sapiens

<400> 254

```

cctgtagccc ctgctacacg ggaggctgaa gtgggaggat cacttgaacc aatgagggtg 60
aggttacagt gagcccagat catgccacta ctctacaggc tgggtgataa gagtgaagacc 120
ctgtatcaaa aaaaagacaa ggaaaaaaaa aactgggccg tttgtttttg cagaatgtct 180

```

```

ctcaatttgg actttttggg caggaatata atacaagtga tacaaatgct tctttaacat 240
tagaacctgt ataaaattac cattacagac cttgctattt tacttatagg taaatcactg 300
tttaccaagg taagtctttt gggaatttcc aaaaatgaag tccatggaca gttaaaaact 360
g                                                                 361

```

```

<210> 255
<211> 331
<212> DNA
<213> Homo sapiens

```

```

<400> 255
aaaaaaataa ataatccacc aacgtgattg accttggcga gatcatgttt ctagtctata 60
cctcagtttc cccatctgta aagtggaggat aatgtccac cccatgtaac tgtggtgagg 120
accaactgca aactgtgcc tgcgagtcct cttggaaaag tgtaagggtc tacacaaatg 180
gaaagtgatc tgatcacact cagtgtcccc agcccagcct ttcagtgcc tggccctggg 240
gtgggggaca atactctcct ccccccttc actagtcttc atgaatagca aggaggccat 300
aacataattt ggtctaaacc ccttcctttt t                                                                 331

```

```

<210> 256
<211> 186
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 115
<223> n = A,T,C or G

```

```

<400> 256
cctttggggc cttgcacttt gacctgcaat ggggccacac cagccttgct tgtgtccacc 60
tggaaggact gagggagggt ggcacgaacc atgcctgggc tcaggccggg cccanagcac 120
ttgaccttgg acgcatctgt cacatcatgc acagggacct tgaaaggact gcctggcact 180
tgatgg                                                                 186

```

```

<210> 257
<211> 255
<212> DNA
<213> Homo sapiens

```

```

<400> 257
ctgggggtccg tcaccgacct ttgggggaact gggctacggg gaccacaagc ccaagtcttc 60
cactgcagcc caggaggtaa agactctgga tggcattttc tcagagcagg tcgccatggg 120
ctactcacac tccttgggtg tagcaagaga tgaaagtgag actgagaaaag agaagatcaa 180
gaaactgccg gaatacaacc cccgaacctt ctgatgtctc cagagactcc tccgactcca 240
cacctctcgc ggcag                                                                 255

```

```

<210> 258
<211> 604
<212> DNA
<213> Homo sapiens

```

```

<400> 258
ctgaatttgc aatggagttt ggtggtgcaa tcggtattga ttagtttggc atagacagat 60
gcagcagttt agagcaaaat cgagaaaatg atttttttt tcctccttga tttcctggca 120

```



```

gaagatatct tactttttca gcaaactttt cttttaacac taaagcagcc tagggcaatg 180
ccagatactt agagctttttc tcttgattat aagtagaaat ggggtgtct gggctagagg 240
tggagggtgg atgtgctgtc gtcacagtct agctggcagc aagcaaggca aaagcagaga 300
ctgctctaga agcggttcca agcagcagag acgtcaggaa aggcacttct tagtaccaac 360
ctctatgctt taatagttgc ttgttaagct gcttcatggg ttgagacaaa ctaccagcac 420
ttcaaagagc tcagttctct gctcaactct cttctctagt tacattatct tttttccttc 480
aggagactga ggcaggaaaa tcgcttgaac tcaggaggct gaggccgag tgagccaaga 540
tcacaccacc gcactccagc ctgggccttg caaagtgcta ggattacagg aatgagccac 600
cagg                                         604

```

<210> 259

<211> 429

<212> DNA

<213> Homo sapiens

<400> 259

```

aaaaatgtct gtatcgagat cttccagttt gaagtcttcc tcctctgtgt cttcccaagg 60
ctctgtggca agctccactg gttctccgc ttccatcaga accactgact tccacaatcc 120
tggctatccc aagtacctgg gcacccccca cctggaactg tacttgagtg actcacttag 180
aaacttgaac aaagagcggc aattccactt cgctggatc aggtcccgcc tcaaccacat 240
gctggctatg ctgtcaagga gaacactctt tactgaaaac caccttggcc ttcatctctg 300
caatttcagc agagttaatt tgcttgctgt tagagatgta gcactttatc cttcctatca 360
gtaactgctc cgtgttcaga ctcttggttt cttccaggct tacagtggac atcatcagct 420
tcctgcttt                                     429

```

<210> 260

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 179, 318

<223> n = A,T,C or G

<400> 260

```

ctgcaacaca tgcagcacca gtctcagcct tctcctcggc agcactcccc tgtcgctct 60
cagataacat ccccatccc tgccatcggg agccccagc cagcctctca gcagcaccag 120
tcgcaaatac agtctcagac acagactcaa gtattatcgc aggtcagtat tttctgaana 180
cgcatatggc agacggattt gcgtatacca aggagagtgg cataggaggg aaaagcatat 240
gtggctgaaa cctgtaagtt ggtgttggtt atgcagaaat gtgtaacaga tcaaacggtc 300
ctctcaagtg tctattanat aggcaataag aactgcagtg tagctgagta acatctttta 360
gctgactata aatcactttg ttttt                                     385

```

<210> 261

<211> 230

<212> DNA

<213> Homo sapiens

<400> 261

```

ctgtactgga tccctccagg tgggggagc tctcacctga ctattacaat agcctcctaa 60
gtggtttccc tacttgcaac cttgcccgtg taatatctat cctccacaca gcaggcaggg 120
cgatccttta agaatagaag ttagatcatg aaaatgctct gctctgatcc ctgcaaaagc 180
tcgccacctc cttacagtca ccgctgaact cgtagcagag gttcaggagg          230

```

<210> 262
 <211> 198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 88
 <223> n = A,T,C or G

<400> 262
 atgttaagta aacatgaaat ctatataaca gaacaaaaat tcaactcttat gtcaatgtca 60
 gcgtgttaat gtagatctat ttactganac agactctgta gtggcagaga gtggccttgt 120
 taagccagga ccctgttctg caggctgtgg gtagaagcta ggaagtcctt ggagtttcac 180
 ccagcttttc catgaatg 198

<210> 263
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 263
 aaaatatatt tctaaacaga atgggccgac tcagtcacag taactgttga tctccatagt 60
 agagcaaccc acaaagacag aactgatttt tttcccataa tcaggggtga aaaatatata 120
 acttgtttct gaaccaaacc cacaatttct gcagttt 157

<210> 264
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 264
 ctggctactc caagaccctg gcatgaggct gaggacaact tacaagggct tcaccgaagc 60
 agtggacctt tattttgacc acctgatgtc cagggtggtg ccaactccagt acaagcgtgg 120
 gggacctatc attgccgtgc aggtggagaa tgaatatggt tcctataata aagaccccg 180
 atacatgccc tacgtcaaga aggcactgga ggaccgtggc attgtggaac tgctcctgac 240
 ttcagacaac aaggatgggc tgagcaaggg gattgtccag ggagtcttgg 290

<210> 265
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 265
 aaaaaaagga aaggaaagag aggaaaagaa aataaaaataa gacgatttat tgcttctcct 60
 cagcatcctc cttggtctcc tccttcaccg agagagcttc tagcttttcc gccacttttt 120
 cggcatgac atttttgctt gatcctttct tttctctctc ttcgatctct ttctgcatt 180
 cttaaactt tgttttgaat ttctgtgcat tctcagcatt caggaagcgg atgg 234

<210> 266
 <211> 335
 <212> DNA
 <213> Homo sapiens

```

<400> 266
gtcctcatca tcccagtttg aggcagtgct ggagtgggga aggccgtctt agaccataga 60
ggttggaaga cgctgagaga tcatccagcc cagccccttg atgttacaga gcagaagaca 120
gatgccc aaa caggagaagg cacttgccca cggtcatacg gcaggttgcc acaaaaccaa 180
gatggcagcc cttcctcagc gtgcctcact gccactccca gagccaggga gcccataaa 240
accacatca tgtcttaaga gtatatctgg ctcccttgacc agcaatcggc cctgggagcc 300
accaggtggg aaaagcgct ctgccagagt ccagg 335

```

```

<210> 267
<211> 619
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 69, 86, 119, 205, 352, 547, 580, 611
<223> n = A,T,C or G

```

```

<400> 267
tggagctctg acgaagggat cggggagggt ctggagaagg aagactgcat gcaggccctg 60
agcggccana tcttcatggg catgngtcc tcccagtacc aggcccggtt ggacatcgng 120
cgctcatttg atgggcttgt caacgcctgc atccgctttg tctacttctc tttggaggat 180
gagctcaaaa gcaagggtgt tgcanaaaaa atgggctgtg agacaggctg gaactgccac 240
atctccctca cacccaatgg tgacatgcct ggctccgaga tccccccctc cagccccagc 300
cacgcaggct ccctgcatga tgacctgaat cagggtgtccc gagatgatgc anaagggtct 360
ctcctcatgg aggaggaggg ccaactcggac ctcatcagct tccagcctac ggacagcgac 420
atccccagct tctggagga ctccaaccgg gccaaagtgc cccgggggtat ccaccaagtg 480
cggccccacc tgcagaacat tgacaacgtg cccctgctag tgcccccttt caccgactgc 540
acccanaga ccatgtgtga gatgataaag atcatgcaan agtacgggga ggtgacctgc 600
tgctgggca nctctgccca 619

```

```

<210> 268
<211> 147
<212> DNA
<213> Homo sapiens

```

```

<400> 268
cctataaccc agacaccagc atggacaaaa ctcaattata ctgaattcag agacaaaatt 60
cagtgcact cttctaccac ttatttaggg ttctacagca tttcactgag cagacttagt 120
ttttgtttt tgttttacaa acctttt 147

```

```

<210> 269
<211> 325
<212> DNA
<213> Homo sapiens

```

```

<400> 269
ctgagctgta ggaatgggtt cttggtacac aagatagtat tgttgagcta gttttcgagc 60
tctgtgcaca agcactctgt aatcggggcc catgccactg tacaccaaac ctatatgctt 120
ggtaattggt tctactttgt gtacacttcg ctcatcatac agaattggatt tctgtttttt 180
ctcagttgct aataccacac catttgacgc tttaattccc acggacgggg ctctccagc 240
tacagcagcc aaagcatatt caatctggac aagtttacca gacgggctga atgtagtcag 300
cgaaaagctg taccgcgcgt ccgcc 325

```

<210> 270
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 270
 aaacatatgg taaattaccg agtgacacct ctgggctaga gacctctttt gaggggagtt 60
 tgcaaaactac ggattcaatt tctttaacag ttatgaagtt ctttaaagaa cctgttttgt 120
 attgggggggt tgtgggcacc tgtgcttttc tgagatttgg cccctacatc taagttgttg 180
 aatgcatgtg tgtagagttg tttatgggtgc ttccctttct tcttagaagg gtctatagta 240
 atatcccctg ccttatccct agtagtacta atttgtgttt tcttacttct tgacaggcaa 300
 acacatcaga gcataagtgg ttcctaattgc caagctgacc tcccttgatc tctgtcttct 360
 acaggatatt gacatgggac ttctttatta ccttttcagt tcaactgatac cttcaaatag 420
 ctttattt 428

<210> 271
 <211> 206
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 18, 21, 33, 118, 180
 <223> n = A,T,C or G

<400> 271
 cgtcccggag ccacgngg ncatggctgg canagcgctc tgcattgctgg ggctggctct 60
 ggccttgctg tcctccagct ctgctgagga gtacgtgggc ctgtctgcaa accagtnggc 120
 cgtgccagcc aaggacaggg tggactgcgg ctacccccat gtcacccccca aggagtgcac 180
 caaccggggc tgctgctttg actcca 206

<210> 272
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 272
 ctggcttccc tgagaactca acaatgcctt ttcctgaggg ccttcctcga tcatccacaa 60
 tgactacagc cctctctacc tgg 83

<210> 273
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 273
 ctggagaagg tgtgcagggg aaaccctgct gatgtcaccg aggccaggtt gtctttctac 60
 tcgggacact cttcctttgg gatgtactgc atgggtgttct tggcgctgta tgtgcaggca 120
 cgactctgtt ggaagtgggc acggctgctg cgaccacag tccagttctt cctgggtggcc 180
 tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gagcgatgtc 240
 cttgtttggc tcctgcaggg ggactgggtg gctgccctca ctgtctgcta catctcagac 300
 ttcttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
 agcctgtcac tgacgttgac cctgggagag gctgaccaca accactatgg ataccgcac 420

tcctcctcct gaggccggac cccgccagg caggagctg ctgtgagtc ag 472

<210> 274

<211> 205

<212> DNA

<213> Homo sapiens

<400> 274

ccaggcggcc cgaggactta cggtcggcac ttctctgttc tcccgtgtca gcgtgtggtg 60
tcgcctgcat gggtcgtacc tggatgggtg gtccaccatc gacacggagg ggctggattt 120
gtttctcagg caatcctgta ttttaatttt agatgtattt cctgaagcat atttttcata 180
gaatgtagcg tgtaaatagc ttttt 205

<210> 275

<211> 308

<212> DNA

<213> Homo sapiens

<400> 275

ctcctcgccc tccccaccga catcatgctc cagttccagc ttggatttac actgggcaac 60
gtggttgtaa tgtatctggc tcagaactat gatataccaa acctggctaa aaaacttgaa 120
gaaattaaaa aggacttgga tgccaagaag aaacccccta gtgcatgaga ctgcctccag 180
cactgccttc aggatatact gattctactg ctcttgaggg cctcgtttac tatctgaacc 240
aaaagctttt gttttcgtct ccagcctcag cacttctctt ctttgctaga ccctgtgttt 300
tttgcttt 308

<210> 276

<211> 201

<212> DNA

<213> Homo sapiens

<400> 276

aaattaactt tttcttgcaa aatattcatt tcattttttc caagaaaatc ttataaaggc 60
aaaaataaaa ttttattttg gcaaatgtca tgaagtcgat actggcagca tatggagtta 120
gttaaaaata gacaacaact gctagatata ttcaaaaattc tatttttttt tctgagcata 180
gtcaaagaga aattttcatt t 201

<210> 277

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 32

<223> n = A,T,C or G

<400> 277

aaaaaaaaag tattcagcac catttgctca tnggtctttc agagtttggt cttaaagttt 60
ctggaacttt cctgtctgta aagtaacagg aattactgag ctacattgga aagcctctct 120
gggacaggca gtggggagtt aagcagtcac cataaaggaa tcagtgtaca ttcagcatgg 180
tgacttgact acacaacaat cccttccctt ctactgtagc tcaagagaga catgcttcta 240
accactgagg tatgaggagt ctcagactgt tatttgctgt tagaattggt cttcccagct 300
aataacagta catctctggc acagatgcta ttggtcctta atgtcctgtg attttaggaa 360

```

atagtttgga tttagttcaa tttattcaga aaccaaactgt gtttaattag cttcactact 420
ctggcagagt aagggtatgc tggtttagta tctttataaa atatatataa tgtataggta 480
aatcatagtc ttaaatacata cctaaaatac tgtatcattt 520

```

<210> 278

<211> 264

<212> DNA

<213> Homo sapiens

<400> 278

```

cgcgccgggc ggaactttcc agaacgctcg gtgagaggcg gaggagcggg aactaccccg 60
gctgcgacac gctcggcgct ccttcccgtc cctcacaca ccggcctcag cccgcaccgg 120
cagtagaaga tggtgaaaaga aacaacttac tacgatgttt tgggggtcaa acccaatgct 180
actcaggaaag aattgaaaaa ggcttatagg aaactggcct tgaagtacca tcctgataag 240
aaccctaatg aaggagagaa gttt 264

```

<210> 279

<211> 414

<212> DNA

<213> Homo sapiens

<400> 279

```

aaacatacaa taatttttat tatggaaatt aatctttaca tacaaaatca gctacgtaat 60
tttacttaca aaacaataaa aactgttctt tactgtggca acaaaagaag cattttgaca 120
aatgaaaaaa attaatgcaa acaaatataa acaatgcttt tctttttact tgcttcactg 180
tctcttctat ttattttcta tgatcatttg acacaaacat ggattacttt gatattctact 240
gaaacataaa tgataagggt cttaaagggt gaattaaaaag tctgggtggt caatattttta 300
gaagctgaat aaacaaaacg aaattggggg ttgtgattac agaggattta tcattttttc 360
cctttgtcca tatgaaaata tataatagaa aattacccac gggaaaaacat tttt 414

```

<210> 280

<211> 262

<212> DNA

<213> Homo sapiens

<400> 280

```

ccaccatgcc tggcctgctt caattttttg atgccacttt gtaaacggca cttaattatg 60
gaaaatagga aaaagcaaaa ctaaaataag gaagaggata tatatataac ttttcacaat 120
ctcttttctg atccccctta gatgccaggt caaccaggac cacacacaga tttcatttta 180
ttttagtagt atatgaaaag atttaatagt ctcatgcatt ttatttttac tatactgatt 240
tctacgtttt gactgactat tt 262

```

<210> 281

<211> 349

<212> DNA

<213> Homo sapiens

<400> 281

```

ctgtgaccgc ggtgcatcag tggatatagt tgtgtctccc catggggggt taacagtctc 60
tgcccaagac cgttttctga taatggctgc agaaatggaa cagtcactct gcacaggccc 120
agcagaatta actcagtttt ggaaagaagt tcccagaaac aaagtgatgg aacatagggt 180
aagatgccat actgttgaaa gcagtaaacc aaacactctt acgttaaaaag acaatgcttt 240
caatatgtca gataaaacca gtgaagatat atgtctacaa ctcagtcggt tactagaaa 300
caataggaag cttgaagacc aagttcagcg ttgtatctgg ttccagcag 349

```

<210> 282
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 209
 <223> n = A,T,C or G

<400> 282
 aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg 60
 ggaaacaaag tttcaaaaca aagaaaagtt gagtaaaagg tgccccctct atggctcatc 120
 tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttcccact 180
 cactttgcaa ggaccctctc attctgcana aagacctaca agtctttctg gtctcaattg 240
 caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt 300
 gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcgg cttcttcctt tttagtaagt 360
 atttttattt cagatgtatt t 381

<210> 283
 <211> 543
 <212> DNA
 <213> Homo sapiens

<400> 283
 aatatagctc ctccctaccc ccaacaatgg accctgccca ttgcctccca gttccttgat 60
 cttcctaggt tccacaactc tctttttcct tttagtttta ttccctccag ccaaacctct 120
 cttattcaat attttgagcc aatgggggag ttatgtagat ttttttccct acacattagc 180
 tggccccctt tatgaccaat gactcataag gcaagatgtg tgggtggcatc ttcggacagg 240
 cagcaggctt taatagggca gcctgggttg gtggaggcaa gcaaagctaa ttggcatgcg 300
 tgggaatcaa accccaggcc ctggggtcat tagcccatgg tcaaaacaac tgagccagag 360
 gaggtaataa tttgcccaag aatatcagta gttcctttat tagaagaaaa tggctgatat 420
 ggaagtggg gaatctgaat tgccagagaa tcttggaag agtaataagc tcttagtctc 480
 aacaaaaagt gttttttcat ctcagcgcgt aaagggtgct atatgggaac aaagaagtat 540
 ttt 543

<210> 284
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 284
 aaactggtat tttatctttg attctccttc agccctcacc cctggttctc atctttcttg 60
 atcaacatct tttcttgctt ctgtcccttc ctctcatctc ttagctcccc tccaacctgg 120
 ggggcagtgg tgtggagaag ccacagg 147

<210> 285
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 285
 cggccgaggt ctggcttcac tcttactccc tctctgctcg cagcacgtcg gccgccagct 60

```

ctttgatgtg ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg 120
caaagcgag gacaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac 180
tgtttattct ttgcagaaga gcttcattca ctttgttgga acccttttagc cgaaagcaga 240
caagccccag aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact 300
caaaactcatg ggacag                                     316

```

<210> 286

<211> 322

<212> DNA

<213> Homo sapiens

<400> 286

```

cctggggagc ccttttagtgg ggtgggacct caggcagacc cccaaaccaa agggagccag 60
atgcccaagt tcaagtcatt agtgatatgt ggcagggctg acagagaaat aatcctggag 120
gtctccaaag ctgctgggaa tggaatggcg atgaaaagcg caggagtggg cagggtgtgg 180
tgggtgatgg tggcctcact cagagtggac caaggcccca gtccttgcc caaaaccaa 240
gcccttgggc ccgaagtgtt tagcataaca tcctttgcag taaatctcgc catccttgtc 300
tgccagggtg gttgactcaa gg                                     322

```

<210> 287

<211> 364

<212> DNA

<213> Homo sapiens

<400> 287

```

ctgcccacgc tcaaaccaat tctggctgat atcgagtacc tgcaggacca gcacctcctg 60
ctcacagtca agtccatgga tggctatgaa tcctatggg agtgtgtggt tgcactcaaa 120
tccatgatcg gcagcacggc ccaacagttc ctgaccttc tatcccaccg tggcgaggag 180
acaggcaata tcagaggctc catgaagggt cgggtgcccc cggagcgcct gggcacccgt 240
gagcggctct acgagtggat cagcattgat aaggatgagg caggagcaaa gagcaaagcc 300
ccctctgtgt cccgagggag ccaggagccc aggtcagggg gccgcaagcc agccttcaca 360
gagg                                     364

```

<210> 288

<211> 261

<212> DNA

<213> Homo sapiens

<400> 288

```

aaaattataa ctactcattc tttcttttagc cttagttaat ttgagcagaa gccacaacaa 60
gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtgtt 120
cacactacta ccatttacag ttgtagggtt gtaatgtata attatgtaat gcagaaacta 180
gctttgactt gtgtaacgat gcactgtcaa agtaagcaaa gtaagaattg aaattccaca 240
ttcccagaat ttaacactca g                                     261

```

<210> 289

<211> 261

<212> DNA

<213> Homo sapiens

<400> 289

```

ctgagtgtta aattctggga atgtggaatt tcaattctta ctttgcttac tttgacagtg 60
catcgttaca caagtcaaag ctagtttctg cattacataa ttatacatta caaacctaca 120
actgtaaatg gtagtagtgt ggaaacttgg gaagaggagt taatgtggat ttctgccaat 180

```


tctaaattta ttgtgggttg cttgttgtgg cttctgctca aattaactaa ggctaaagaa 240
agaatgagta gttataattt t 261

<210> 290
<211> 92
<212> DNA
<213> Homo sapiens

<400> 290
ccactaccgg aacttacagg tgccaaaaga agaaagggtg taaacggaga ccacctatca 60
ctcatcagaa cctaggatca tcacattcct tt 92

<210> 291
<211> 287
<212> DNA
<213> Homo sapiens

<400> 291
ccatggctcc gctcagggcc ccggtcacct ccgagtcact ctgttccttg actgtotttg 60
tgtttctgta cctcaaggca ctgaagctgg aggactctgt ccatgcctgt gtcaccctcg 120
tgtgggagcc tctgggctcg gcagggtccac atttcatgag ctgaggcgtg ggccagggcc 180
atctggaaag ggaactcggc ttttccagaa cgtggtggat catctgtcgg gtgtgtggtg 240
aacacgttca gttcatcagg gcctacgctc cggaaggagg cccccag 287

<210> 292
<211> 270
<212> DNA
<213> Homo sapiens

<400> 292
ccattgtttc ctgctggtcg aaggctcctt gaacatccct caccttcctc tccgcctctt 60
gccttctgct gggtcaaagg tggccttttc tctccagcct tgaattgttc cctggtggct 120
tccaagggc ccatctgctg gtacagtcca cacttcaca gccaaagacc gagagggctt 180
tactgcccc aagcctctct cctgtgacct tgggattctg tcttggcaga atcctttgtc 240
agcggctctt actctgtcct tcctgtttgg 270

<210> 293
<211> 333
<212> DNA
<213> Homo sapiens

<400> 293
ccatgctcgt caacctggtg tccactgctt gctacgtctc cttcctcttc ctgggctgcg 60
acactggccc tgtggctggg gttactgttc cctatggaaa cagcacagca cctggctcag 120
ccctggaccc ctactgccc tgcaataata actgtgaatg ccaaaccgat tccttcactc 180
cagtgtgtgg ggcagatggc atcacctacc tgtctgcctg ctttgcctgg tgcaacagca 240
cgaatctcac gggctgtgcg tgctcacca ccgtccctgc tgagaacgca accgtgggtc 300
ctggaaaatg cccagctcct ggggtgccaa agg 333

<210> 294
<211> 123
<212> DNA
<213> Homo sapiens

<400> 294
 ctgatacaaa tacagaaaac tctgcccatt atccaagaaa caaataatta agactaaaat 60
 gcaagctgat gtgttgacagc attgtagggc cactaaatag ccatctgtga ttcgtggcaa 120
 ttt 123

<210> 295
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 295
 ctgcatacag acatttggtt aggtcatctg gattatcttg attgtcacca tggcaactat 60
 ccacaaccag tgcctagggtg tgtgagaaga gtgatacaat aatactgtgg catggtcatt 120
 tagctaattc agtctaagcc taacagaaaac cttttccatc aaagtttttc agagaataac 180
 aacatctcat aagaggccag aggatggctt gtgcttaata tcacacctgt acagtagggc 240
 agtgcttccc aggctgtctg cttacatttt agcttgtctt acggttacat atgggttttag 300
 tattttcatt t 311

<210> 296
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 296
 ctgcggaaga tctgcaacca cccctacatg ttccagcaca tcgaggagtc cttttccgag 60
 cacttggggg tcaactggcg cttgttccaa gggctggacc tgtaccgagc ctccgggtaaa 120
 tttgagcttc ttgatagaat tcttcccaaa ctccgagcaa ccaaccacaa agtgctgctg 180
 ttctgcaaaa tgacctccct catgaccatc atggaagatt actttgcgta tcgcggcttt 240
 a 241

<210> 297
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 297
 aaacacaaga tgaaaatact ctgttctgtc caaagcatca cctaattggtg tgaggcatct 60
 cacttagctg tggagaagtc cttggaatta gatctcagaa agacagcttt aagacagtaa 120
 aaccttttgg caatgggcta attgccttaa aagaagagtt ctacctgaaa gacctgacag 180
 gtggagaaaat tgtcctacaa agattcttgg atatgttagt ggagataact gacatgggta 240
 gctgtgggtc aaccaggaac tgtcaacaac ctgatctctg caaaaccagg atgga 295

<210> 298
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 298
 ccaaaataaa gcttcaggca agaggcaaag atccagtgga atatgggaga atgggtggagg 60
 accaacacct gctaccccag agagcttttc taaaaaaagc aagaaagcag tcatgagtgg 120
 tattcaccct gcagaagaca cggaaggtac tgagtgtgag ccagagggac ttccagaagt 180
 tgtaaagaaa gggtttctgt acatcccac aggaaagact agcccatata tctgtcgaag 240
 aacaaccatg gcaactcgga ccagcccccg cctggctgca cagaagttag cgctatcccc 300
 actgagtctc ggcaaagaaa atcttgcaga gtcctccaaa ccaacag 347

<210> 299
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 299
 aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata 60
 gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtgaag agaaataaat 120
 gcaggaaagt ttaagtggat gtaagttttt ataaggaaag taataagagg aggctgcttt 180
 tgaaggtcct ttgatcttcc atgatgataa tatcgttgca aagttcttta acttgatttc 240
 aagtaattag cagttgacca cttgggttt 268

<210> 300
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 300
 aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcatt ttagatccaa 60
 ctgaccatct ttattttctgt caaaaatcctt catcatggtg ccggtgtatt cttccagttt 120
 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180
 agcag 185

<210> 301
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 301
 aaaattggaa agtgggataa gaaatctaaa gtaaccagct tatctttgaa acaatattat 60
 ttgaaattg gcttt 75

<210> 302
 <211> 247
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 159, 188, 212
 <223> n = A,T,C or G

<400> 302
 ccatgttctc tgaattgggt gcagaagaca agggcagagt ggctgcggcc cctattacct 60
 ttgtagcagc cacatcagaa agcagaagaa aacagtattt ctgaaggcat tgtttgaggt 120
 tgatctcagc actgaacgat ttcaagccct acgcaccana acagaaggag ggtggaggaa 180
 gtgatcanag ggaacgagct gtaggtttgc anaaatgtgt gaaacaaaa tgatcactgc 240
 ctacttg 247

<210> 303
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 303

```

ctgcttcaga ggaaatcact gaaaaataaa gaaaaacat ccatgcatgg ctgcatccag 60
tgtacctgta atcctgaaga aaaggctccta attccttcca tgctgaaatg ctagctttgg 120
tttcagagag agactttatt gcaactgtga ccaccgtcac tggtagagcac tgctgttcgg 180
ccccagcgcg acttaaaaga ctggaatgtg gtagtgccgg tcgttctcgg tcagcagggg 240
gatctccggc cagtcctga gaggtcctc tgggtagcag acttcaaagt ctctggaggt 300
aaacttgaac agtctgaaca cttttatctt tacttcaagg gtagtatcaa gtataaacat 360
atcaatctgc tctagtccac atgtgtcggc tacagaattc aggtgattca tcatgaagct 420
caaaggatca gaggatgtct ccctggaaaa caggagtcta aaaagactgg gaatgacctt 480
tttagtcttc atttgttcat aaacttcagt gacttgatac agcatgatga acttt 535

```

<210> 304

<211> 522

<212> DNA

<213> Homo sapiens

<400> 304

```

ccgcgctcgg tctacaatca cgttttatta ttggctcgtc tagtcatggg atagagaagg 60
taaataagcaa aatagaaaga aaagggggaa aaggtagaag gcaaggggaa aactattggg 120
tttagatctt tctcctgggc ctgtcaatga tcaggtaatt ggaaggatca aaattaggcc 180
aaacttggtg attggggcaa aattgaacca aagtttgtgt caagaagacc tggggcagag 240
atatgtgact aaatcatttg gaatatgccc agaccccaag aatatttatg cccaacttga 300
atgctaacca gaagtcctt actgtagaag attgtaaggt tgctattttt ttgccccgac 360
acaaaaatat tgatgtattt tccaacacca attctccaat tctctgacac caactcgatg 420
ttcaacaatt cagttatatt ctgtcactaa ttctgcagc tatcagcagg cccacaggt 480
aaaggattca gtctcacaag attgcccccc caccacttc ag 522

```

<210> 305

<211> 165

<212> DNA

<213> Homo sapiens

<400> 305

```

cctaaagcgc tctcgtctga agctcaaggg gtccacaatg atttgtttgt caaagttatt 60
gagtgcataat gccagttctc ctctcctcc accctggtgc tgtgaggcat cgtctgaggc 120
agtggcctgg gctgcattgg aaatgcctgt gaccgcctgc tgcag 165

```

<210> 306

<211> 294

<212> DNA

<213> Homo sapiens

<400> 306

```

ctgcacctaa gacatggccc tggctaggcg ggaacagctc acagtagcga tacattcaca 60
ggacacagtt ggtgtccaga aaagggggct cagaacacag tttctacaca agcacttggc 120
acccacacga cagagacgtc actcaagcag cacagccaca aatagtttac agcagctcat 180
gcccggcatc cgcctatgct gggagactcc ctgaaagggt ggacactgcc gtctatgagg 240
agggtgtctc ctccatcatt aaccccaaac cacacaatgt gtgaggagag cagg 294

```

<210> 307

<211> 181

<212> DNA

<213> Homo sapiens

```

<400> 307
aaaaatccat gacaccttga tagaaattag agtttacaca aacaaaaaag gaaccttcga 60
tattgccagc agctataaag tgaacgtact gagaccgaca ggacagcaag aaggcatttg 120
cacatttata tctgacaccc gaccatactt tcagtcacca gaatatcttc tctccagatt 180
t                                                    181

```

```

<210> 308
<211> 179
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 138
<223> n = A,T,C or G

```

```

<400> 308
aaggctgagg actgctggga gctcagatca gcccgagagct actgggtcat gggcagccaa 60
aaaatactgg atctgctgaa cgaaggctca gcccgagatc tccgcagtct tcagcgcatt 120
ggcccgaaga aggcccanct aatcgtgggc tggcgggagc tccacggccc cttcagcca 179

```

```

<210> 309
<211> 129
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 28
<223> n = A,T,C or G

```

```

<400> 309
ctgcccgttt gcccgtagct gactcagntt cctcatcttc atctccatcc ttttctctac 60
catcaccttc ttcttcttcc tcttcttctt cccacacctc ttctctttct tcgtctacct 120
cattgtcag                                                    129

```

```

<210> 310
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 310
tgaggctggg ggagagccgt ggtccctgag gatgggtcag agctaaactc cttcctggcc 60
tgagagtcag ctctctgccc tgtgtacttc ccgggccagg gctgccccta atctctgtag 120
gaaccgtggt atgtctgcat gttgccccct tctcttttcc ctttctctgt ccaccatac 180
gagcacctcc agcctgaaca gaagctctta ctctttccta tttcagtgtt acctgtgtgc 240
ttggtctggt tgactttacg cccatctcag gacacttccg tagactgttt aggttccccct 300
gtcaaataac agttaccac tcggtcccag ttttggtgcc ccagaaaggg atgttattat 360
ccttgggggc tcccagggca agggttaagg                                                    390

```

```

<210> 311
<211> 355
<212> DNA

```

<213> Homo sapiens

```

<400> 314
ctggaagatt ttgctgcatt tggcattata ctgtaattta cagtatacaa catctgggga 60
ctcagtacta tcttagcaca gactaacttc tcccaactcg tcagagggtg cagggtggcg 120
gtcgggtggg agggcctttt ctccccataa atgcctgaac tttaatttat accatataag 180
aaatcagtga aaggtaaaca acaagggtta tgtaactcta ttataaattt tgcatttttt 240
ttctctgtga catatacaag tatatTTTTg tttttggagc tataaattat ttaatttagc 300
aatcttcaaa gctcataaat ttcaactttt caaataagaa attttaactt caaataagaa 360
gtctaggact ttatggctat taattttact atcaaaatat ccaagggact ccattcaatg 420
taatagttat aattcttcta aatatcattt gaataattct ttgtggacgc tagactcaag 480
actatgctac atccaaacag tacatctata acc                                     513

```

<210> 315

<211> 222

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15

<223> n = A,T,C or G

<400> 315

```

atztatattc aaggnatctc aaagaaagca ttttcatttc actgcacatc tagagaaaaa 60
caaaaataga aaattttcta gtccatccta atctgaatgg tgctgtttct atattgggtca 120
ttgccttgca aacaggagct ccacaaaagc caggaagaga gactgcctcc ttggctgaaa 180
gagtcctttc aggaagggtg actgcattgg tttgatatgt tt                                     222

```

<210> 316

<211> 1633

<212> DNA

<213> Homo sapiens

<400> 316

```

cgtggaggca gctagcgcga ggctggggag cgctgagccg cgcgtcgtgc cctgcgctgc 60
ccagactagc gaacaatata gtcgggatgg ctaaagggtga cccaagaaa ccaaagggca 120
agacgtccgc ttatgccttc tttgtgcaga catgcagaga agaacataag aagaaaaacc 180
cagaggctcc tgtcaatttt gcggaatttt ccaagaagtg ctctgagagg tggaagacgg 240
tgtccgggaa agagaaatcc aaatttgatg aaatggcaaa ggcagataaa gtgcgctatg 300
atcgggaaat gaaggattat ggaccagcta agggaggcaa gaagaagaag gatcctaata 360
ctcccaaaag gccaccgtct ggattcttcc tgttctgttc agaattccgc cccaagatca 420
aatccacaaa ccccggcatac tctattggag acgtggcaaa aaagctgggt gagatgtgga 480
ataattttaa tgacagtga aagcagcctt acatcactaa ggcggcaaag ctgaaggaga 540
agtatgagaa ggatgttgct gactataagt cgaaaggaaa gtttgatggt gcaaagggtc 600
ctgctaaagt tgcccggaaa aaggtggaag aggaagatga agaacaggag gaggaagaag 660
aggaggagga ggaggaggag gatgaataaa gaaactgttt atctgtctcc ttgtgaatac 720
ttagagtagg ggagcgccgt aattgacaca tctcttattt gagaagtgtc tgttgccctc 780
attaggttta attacaaaat ttgatcacga tcatattgta gtctctcaaa gtgctctaga 840
aattgtcagt ggtttacatg aagtggccat ggggtgtctg agcaccctga aactgtatca 900
aagttgtaca tatttccaaa cattttttaa atgaaaaggc actctcgtgt tctcctcact 960
ctgtgcactt tgctgttggt gtgacaaggc atttaaagat gtttctggca ttttcttttt 1020
atttgtaagg tgggtgtaac tatggttatt ggctagaaat cctgagtttt caactgtata 1080
tatctatagt ttgtaaaaag aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg 1140
gcgttgaggc tgtggggaag atgccttttg ggagaggctg tagctcaggg cgtgcactgt 1200
gaggctggac ctgttgactc tgcagggggc atccatttag cttcagggtg tcttgtttct 1260

```

```

gtatatagtg acatagcatt ctgctgccat cttagctgtg gacaaagggg ggtcagctgg 1320
catgagaata ttttttttta agtgcggtag tttttaaaact gtttggtttt aaacaaacta 1380
tagaactctt cattgtcagc aaagcaaaga gtcactgcat caatgaaagt tcaagaacct 1440
cctgtactta aacacgattc gcaacgttct gttatttttt ttgtatgttt agaatgctga 1500
aatgtttttg aagttaaaata aacagtatta cattttttaga actcttctct actataacag 1560
tcaatttctg actcacagca gtgaacaaac cccactccg ttgtatttgg agactggcct 1620
ccctataaat gtg 1633

```

<210> 317

<211> 4235

<212> DNA

<213> Homo sapiens

<400> 317

```

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gtttggggat tttgcctcag ctatgggctt ccctagagta ggtctagggg aatactcagt 840
ctgatctttt ttttgtttgt tttattttgt tttttttgag acggagtctc gctcttctc 900
caaggctgga gtgcagtgc gcgatctcca ctactgcag gctccgcctc ccgggttccc 960
gccattctcc tgcctcagcc tcccagtag ccgggactac aggcgcccac caccatgccc 1020

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ggctaattta gttgtatttt tagtagagat ggggtttcac cgtattagcc aggatggtct 1080
cgatctcctg acctcgtgat ccgccgcct cggcctccca aagtgctggg attacaggcg 1140
tgagccaccg tgcccggcct gattctctta aaattgaaga ggtgctgcca aggccttcag 1200
atctaacgca gatgcataga ccttgttcct ggtacttggt cagcctgtgc tggggagccg 1260
tgggtcccgag ttccctggga ggctgacagg gtcaagccac cctgcccacc accctccac 1320
ttccctccc ctttcctctc cagcattagg attcaaggga aatctgcatg aagccaattt 1380
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ggggaatggg gagggaaggg catagcctgc tctccatga gtctgacatc tcggaaactg 1500
agcagctgcc ggacgcctgg gtcaggaatc caagacccca cctcttaagg actggttctt 1560
cagaaagcac cctcagggaa aaagggtgaaa acattacatc cgtggattct cctgccacaa 1620
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ttttctaaag aaagctgtgt tcttctgttg acccagacga atagggcaca gccctgtaac 1920
tgcacgtgcc ttctgtcatt gggaatgaaa taaattatta cgagaaaggg acttgctcta 1980
actggtttga ggccttacag ttttgtatct acatttttcc cctcctgggg tttgcgggga 2040
cagggacaga actacaggag tcatgggaaa gaaaattctg gcttcaactac tgctcaactgc 2100
tcactttctg atcaactctga tacttttttt tttttttttt ttttgcaacc tgataccttg 2160
aaaagcttct atgtgtctct ccttttgttg cctggcagct gtctaggatg atcactgatt 2220
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<210> 322

<211> 1398

<212> DNA

<213> Homo sapiens

<400> 322

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ctaaccctaaa ggaattgaaa ggaaccactc attcacttct agacgacaaa atgcaaaaaa 180
ggaggccaaa gacttttgga atggatatga aagcatacct gagatctatg atcccacatc 240
tggaatctgg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
aatggtctca atctctggaa aaacttcttg ccaaccctaac tgggtcaaaat gtctttggaa 360
gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctggct tgtgaagact 420
ataagaaaac agagtctgat cttttgccct gtaaagcaga agagatatat aaagcatttg 480
tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
agaagattaa agcaccaacc cccacgtgtt ttgatgaagc acaaaaagtc atatatactc 600
ttatggaaaa ggactcttat cccaggttcc tcaaatcaga tatttactta aatcttctaa 660
atgacctgca ggctaatagc ctaaagtgc tgggtccctg ctgaagggaa ttaacagata 720
gtatcaaggc acgaagggaat gtgccagtat gggtccctg gtgaacagct tggccttttt 780
tgggtgtctt gacaggccaa gaagaacaaa tgactcagaa tggattaaca tgaaagtat 840
ccaggcgag agttgaagaa gcataagcaa gacaaaaaca gagagaccgc agaaggagga 900
agatactgtg gtactgtcat aaaaaacagt ggagctctgt attagaaagc ccctcagaac 960
tggaaggcc aggttaactct agttacacag aaactgtgac taaagtctat gaaactgatt 1020
acaacaggct gtaagaatca aagtcaactc acatctatgc tacatattat tatatagttt 1080
gtactgagct attgaagtcc cattaactta aagtatatgt tttcaaattg ccattgctac 1140
tattgcttgt cggtgtattt tttttatttg tttttgactt tggaagagat gaactgtgta 1200
tttaacttaa gctattgtct ttaaaaccag ggatcagaat atatttgtaa gttaaactcat 1260
tgggtgctaat aataaatgtg gattttgtat taaaatatat agaagcaatt tctgtttaca 1320
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ttcattttaa aaaaaaaaaa 1398

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<210> 323
 <211> 1316
 <212> DNA
 <213> Homo sapiens

<400> 323

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agtaccaaag ccaagatgcc cattgtgggc ctgggcactt ggaagtctcc tcttggcaaa 120
gtgaaagaag cagtgaaggt ggccattgat gcaggatata ggcacattga ctgtgcctat 180
gtctatcaga atgaacatga agtgggggaa gccatccaag agaagatcca agagaaggct 240
gtgaagcggg aggacctgtt catcgtcagc aagttgtggc ccactttctt tgagagaccc 300
cttgtgagga aagcctttga gaagaccctc aaggacctga agctgagcta tctggacgtc 360
tatcttattc actggccaca gggattcaag tctgggggatg accttttccc caaagatgat 420
aaaggtaatg ccatcggttg aaaagcaacg ttcttgggatg cctgggaggc catggaggag 480
ctgggtgatg aggggctggt gaaagccctt ggggtctcca atttcagcca cttccagatc 540
gagaagctct tgaacaaacc tggactgaaa tataaaccag tgactaacca gggttgagtgt 600
caccataacc tcacacagga gaaactgata cagtactgcc actccaaggg catcaccgtt 660
acggcctaca gccccctggg ctctccggat agaccttggg ccaagccaga agacccttcc 720
ctgtctggag atcccaagat taaggagatt gctgcaaagc acaaaaaaac cgcagcccag 780
gttctgatcc gtttccatat ccagaggaat gtgattgtca tccccaaagc tgtgacacca 840
gcacgcattg ttgagaacat tcaggtcttt gactttaaat tgagtgatga ggagatggca 900
accatactca gcttcaacag aaactggagg gcctgtaacg tgttgcaatc ctctcatttg 960
gaagactatc ccttcaatgc agaattattga ggttgaatct cctggtgaga ttatacagga 1020
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atttaagatc acagtgaact tagtcctgtt atagacgaga atcgagggtgc tgttttagac 1140
atttatttct gtatgttcaa ctaggatcag aatatcacag aaaagcatgg cttgaataag 1200
gaaatgacaa ttttttccac ttatctgatc agaacaaatg tttattaagc atcagaaaact 1260
ctgccaacac tgagggatgta aagatcaata aaacaaataa taatcataaa aaaaaa 1316

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<210> 324
 <211> 200
 <212> PRT
 <213> Homo sapiens

<400> 324

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Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro
  20             25             30
Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
  35             40             45
Trp Lys Thr Val Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
  50             55             60
Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
  65             70             75             80
Ala Lys Gly Gly Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
  85             90             95
Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
  100            105            110
Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
  115            120            125
Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
  130            135            140
Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr

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<210> 325
<211> 263
<212> PRT
<213> Homo sapiens
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<210>	326
<211>	539
<212>	PRT

<213> Homo sapiens

<400> 326

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Met Pro Glu Asn Val Ala Pro Arg Ser Gly Ala Thr Ala Gly Ala Ala
 1           5           10           15
Gly Gly Arg Gly Lys Gly Ala Tyr Gln Asp Arg Asp Lys Pro Ala Gln
      20           25           30
Ile Arg Phe Ser Asn Ile Ser Ala Ala Lys Ala Val Ala Asp Ala Ile
      35           40           45
Arg Thr Ser Leu Gly Pro Lys Gly Met Asp Lys Met Ile Gln Asp Gly
      50           55           60
Lys Gly Asp Val Thr Ile Thr Asn Asp Gly Ala Thr Ile Leu Lys Gln
65           70           75           80
Met Gln Val Leu His Pro Ala Ala Arg Met Leu Val Glu Leu Ser Lys
      85           90           95
Ala Gln Asp Ile Glu Ala Gly Asp Gly Thr Thr Ser Val Val Ile Ile
      100           105           110
Ala Gly Ser Leu Leu Asp Ser Cys Thr Lys Leu Leu Gln Lys Gly Ile
      115           120           125
His Pro Thr Ile Ile Ser Glu Ser Phe Gln Lys Ala Leu Glu Lys Gly
      130           135           140
Ile Glu Ile Leu Thr Asp Met Ser Arg Pro Val Glu Leu Ser Asp Arg
145           150           155           160
Glu Thr Leu Leu Asn Ser Ala Thr Thr Ser Leu Asn Ser Lys Val Val
      165           170           175
Ser Gln Tyr Ser Ser Leu Leu Ser Pro Met Ser Val Asn Ala Val Met
      180           185           190
Lys Val Ile Asp Pro Ala Thr Ala Thr Ser Val Asp Leu Arg Asp Ile
      195           200           205
Lys Ile Val Lys Lys Leu Gly Gly Thr Ile Asp Asp Cys Glu Leu Val
210           215           220
Glu Gly Leu Val Leu Thr Gln Lys Val Ser Asn Ser Gly Ile Thr Arg
225           230           235           240
Val Glu Lys Ala Lys Ile Gly Leu Ile Gln Phe Cys Leu Ser Ala Pro
      245           250           255
Lys Thr Asp Met Asp Asn Gln Ile Val Val Ser Asp Tyr Ala Gln Met
      260           265           270
Asp Arg Val Leu Arg Glu Glu Arg Ala Tyr Ile Leu Asn Leu Val Lys
      275           280           285
Gln Ile Lys Lys Thr Gly Cys Asn Val Leu Leu Ile Gln Lys Ser Ile
      290           295           300
Leu Arg Asp Ala Leu Ser Asp Leu Ala Leu His Phe Leu Asn Lys Met
305           310           315           320
Lys Ile Met Val Ile Lys Asp Ile Glu Arg Glu Asp Ile Glu Phe Ile
      325           330           335
Cys Lys Thr Ile Gly Thr Lys Pro Val Ala His Ile Asp Gln Phe Thr
      340           345           350
Ala Asp Met Leu Gly Ser Ala Glu Leu Ala Glu Glu Val Asn Leu Asn
      355           360           365
Gly Ser Gly Lys Leu Leu Lys Ile Thr Gly Cys Ala Ser Pro Gly Lys
      370           375           380
Thr Val Thr Ile Val Val Arg Gly Ser Asn Lys Leu Val Ile Glu Glu
385           390           395           400
Ala Glu Arg Ser Ile His Asp Ala Leu Cys Val Ile Arg Cys Leu Val

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				405					410				415				
Lys	Lys	Arg	Ala	Leu	Ile	Ala	Gly	Gly	Gly	Ala	Pro	Glu	Ile	Glu	Leu		
			420					425					430				
Ala	Leu	Arg	Leu	Thr	Glu	Tyr	Ser	Arg	Thr	Leu	Ser	Gly	Met	Glu	Ser		
		435					440					445					
Tyr	Cys	Val	Arg	Ala	Phe	Ala	Asp	Ala	Met	Glu	Val	Ile	Pro	Ser	Thr		
	450					455					460						
Leu	Ala	Glu	Asn	Ala	Gly	Leu	Asn	Pro	Ile	Ser	Thr	Val	Thr	Glu	Leu		
465					470					475					480		
Arg	Asn	Arg	His	Ala	Gln	Gly	Glu	Lys	Thr	Ala	Gly	Ile	Asn	Val	Arg		
			485					490						495			
Lys	Gly	Gly	Ile	Ser	Asn	Ile	Leu	Glu	Glu	Leu	Val	Val	Gln	Pro	Leu		
		500					505						510				
Leu	Val	Ser	Val	Ser	Ala	Leu	Thr	Leu	Ala	Thr	Glu	Thr	Val	Arg	Ser		
	515						520					525					
Ile	Leu	Lys	Ile	Asp	Asp	Val	Val	Asn	Thr	Arg							
	530					535											

<210> 327
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 327

Met	Ala	Phe	Thr	Phe	Ala	Ala	Phe	Cys	Tyr	Met	Leu	Ala	Leu	Leu	Leu		
1				5				10					15				
Thr	Ala	Ala	Leu	Ile	Phe	Phe	Ala	Ile	Trp	His	Ile	Ile	Ala	Phe	Asp		
		20						25				30					
Glu	Leu	Lys	Thr	Asp	Tyr	Lys	Asn	Pro	Ile	Asp	Gln	Cys	Asn	Thr	Leu		
		35					40				45						
Asn	Pro	Leu	Val	Leu	Pro	Glu	Tyr	Leu	Ile	His	Ala	Phe	Phe	Cys	Val		
	50					55				60							
Met	Phe	Leu	Cys	Ala	Ala	Glu	Trp	Leu	Thr	Leu	Gly	Leu	Asn	Met	Pro		
65				70					75					80			
Leu	Leu	Ala	Tyr	His	Ile	Trp	Arg	Tyr	Met	Ser	Arg	Pro	Val	Met	Ser		
			85					90					95				
Gly	Pro	Gly	Leu	Tyr	Asp	Pro	Thr	Thr	Ile	Met	Asn	Ala	Asp	Ile	Leu		
	100						105					110					
Ala	Tyr	Cys	Gln	Lys	Glu	Gly	Trp	Cys	Lys	Leu	Ala	Phe	Tyr	Leu	Leu		
	115						120				125						
Ala	Phe	Phe	Tyr	Tyr	Leu	Tyr	Gly	Met	Ile	Tyr	Val	Leu	Val	Ser	Ser		
	130					135					140						

<210> 328
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 328

Met	Pro	Asn	Phe	Ser	Gly	Asn	Trp	Lys	Ile	Ile	Arg	Ser	Glu	Asn	Phe		
1			5					10					15				
Glu	Glu	Leu	Leu	Lys	Val	Leu	Gly	Val	Asn	Val	Met	Leu	Arg	Lys	Ile		

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<210> 329
<211> 346
<212> PRT
<213> Homo sapiens
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<400> 329																
Met	Phe	Leu	Ser	Ile	Leu	Val	Ala	Leu	Cys	Leu	Trp	Leu	His	Leu	Ala	
1				5					10					15		
Leu	Gly	Val	Arg	Gly	Ala	Pro	Cys	Glu	Ala	Val	Arg	Ile	Pro	Met	Cys	
			20					25					30			
Arg	His	Met	Pro	Trp	Asn	Ile	Thr	Arg	Met	Pro	Asn	His	Leu	His	His	
		35				40					45					
Ser	Thr	Gln	Glu	Asn	Ala	Ile	Leu	Ala	Ile	Glu	Gln	Tyr	Glu	Glu	Leu	
	50				55					60						
Val	Asp	Val	Asn	Cys	Ser	Ala	Val	Leu	Arg	Phe	Phe	Phe	Cys	Ala	Met	
65				70					75					80		
Tyr	Ala	Pro	Ile	Cys	Thr	Leu	Glu	Phe	Leu	His	Asp	Pro	Ile	Lys	Pro	
			85					90					95			
Cys	Lys	Ser	Val	Cys	Gln	Arg	Ala	Arg	Asp	Asp	Cys	Glu	Pro	Leu	Met	
			100					105					110			
Lys	Met	Tyr	Asn	His	Ser	Trp	Pro	Glu	Ser	Leu	Ala	Cys	Asp	Glu	Leu	
		115				120						125				
Pro	Val	Tyr	Asp	Arg	Gly	Val	Cys	Ile	Ser	Pro	Glu	Ala	Ile	Val	Thr	
	130				135						140					
Asp	Leu	Pro	Glu	Asp	Val	Lys	Trp	Ile	Asp	Ile	Thr	Pro	Asp	Met	Met	
145				150					155					160		
Val	Gln	Glu	Arg	Pro	Leu	Asp	Val	Asp	Cys	Lys	Arg	Leu	Ser	Pro	Asp	
			165						170					175		
Arg	Cys	Lys	Cys	Lys	Lys	Val	Lys	Pro	Thr	Leu	Ala	Thr	Tyr	Leu	Ser	
			180					185					190			
Lys	Asn	Tyr	Ser	Tyr	Val	Ile	His	Ala	Lys	Ile	Lys	Ala	Val	Gln	Arg	
		195					200					205				
Ser	Gly	Cys	Asn	Glu	Val	Thr	Thr	Val	Val	Asp	Val	Lys	Glu	Ile	Phe	
	210				215					220						
Lys	Ser	Ser	Ser	Pro	Ile	Pro	Arg	Thr	Gln	Val	Pro	Leu	Ile	Thr	Asn	
225				230					235					240		
Ser	Ser	Cys	Gln	Cys	Pro	His	Ile	Leu	Pro	His	Gln	Asp	Val	Leu	Ile	

				245					250					255			
Met	Cys	Tyr	Glu	Trp	Arg	Ser	Arg	Met	Met	Leu	Leu	Glu	Asn	Cys	Leu		
			260					265					270				
Val	Glu	Lys	Trp	Arg	Asp	Gln	Leu	Ser	Lys	Arg	Ser	Ile	Gln	Trp	Glu		
		275					280					285					
Glu	Arg	Leu	Gln	Glu	Gln	Arg	Arg	Thr	Val	Gln	Asp	Lys	Lys	Lys	Thr		
	290					295				300							
Ala	Gly	Arg	Thr	Ser	Arg	Ser	Asn	Pro	Pro	Lys	Pro	Lys	Gly	Lys	Pro		
305					310					315					320		
Pro	Ala	Pro	Lys	Pro	Ala	Ser	Pro	Lys	Lys	Asn	Ile	Lys	Thr	Arg	Ser		
			325					330						335			
Ala	Gln	Lys	Arg	Thr	Asn	Pro	Lys	Arg	Val								
			340					345									

<210> 330

<211> 826

<212> PRT

<213> Homo sapiens

<400> 330

Met	Glu	Gly	Ala	Gly	Gly	Ala	Asn	Asp	Lys	Lys	Lys	Ile	Ser	Ser	Glu		
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Arg	Arg	Lys	Glu	Lys	Ser	Arg	Asp	Ala	Ala	Arg	Ser	Arg	Arg	Ser	Lys		
		20					25					30					
Glu	Ser	Glu	Val	Phe	Tyr	Glu	Leu	Ala	His	Gln	Leu	Pro	Leu	Pro	His		
	35					40					45						
Asn	Val	Ser	Ser	His	Leu	Asp	Lys	Ala	Ser	Val	Met	Arg	Leu	Thr	Ile		
50					55					60							
Ser	Tyr	Leu	Arg	Val	Arg	Lys	Leu	Leu	Asp	Ala	Gly	Asp	Leu	Asp	Ile		
65				70					75						80		
Glu	Asp	Asp	Met	Lys	Ala	Gln	Met	Asn	Cys	Phe	Tyr	Leu	Lys	Ala	Leu		
			85					90						95			
Asp	Gly	Phe	Val	Met	Val	Leu	Thr	Asp	Asp	Gly	Asp	Met	Ile	Tyr	Ile		
		100					105						110				
Ser	Asp	Asn	Val	Asn	Lys	Tyr	Met	Gly	Leu	Thr	Gln	Phe	Glu	Leu	Thr		
	115					120						125					
Gly	His	Ser	Val	Phe	Asp	Phe	Thr	His	Pro	Cys	Asp	His	Glu	Glu	Met		
130					135					140							
Arg	Glu	Met	Leu	Thr	His	Arg	Asn	Gly	Leu	Val	Lys	Lys	Gly	Lys	Glu		
145				150				155							160		
Gln	Asn	Thr	Gln	Arg	Ser	Phe	Phe	Leu	Arg	Met	Lys	Cys	Thr	Leu	Thr		
			165				170							175			
Ser	Arg	Gly	Arg	Thr	Met	Asn	Ile	Lys	Ser	Ala	Thr	Trp	Lys	Val	Leu		
	180					185						190					
His	Cys	Thr	Gly	His	Ile	His	Val	Tyr	Asp	Thr	Asn	Ser	Asn	Gln	Pro		
	195					200					205						
Gln	Cys	Gly	Tyr	Lys	Lys	Pro	Pro	Met	Thr	Cys	Leu	Val	Leu	Ile	Cys		
	210				215					220							
Glu	Pro	Ile	Pro	His	Pro	Ser	Asn	Ile	Glu	Ile	Pro	Leu	Asp	Ser	Lys		
225				230				235							240		
Thr	Phe	Leu	Ser	Arg	His	Ser	Leu	Asp	Met	Lys	Phe	Ser	Tyr	Cys	Asp		
			245				250							255			
Glu	Arg	Ile	Thr	Glu	Leu	Met	Gly	Tyr	Glu	Pro	Glu	Glu	Leu	Leu	Gly		

				260						265							270					
Arg	Ser	Ile	Tyr	Glu	Tyr	Tyr	His	Ala	Leu	Asp	Ser	Asp	His	Leu	Thr							
		275					280					285										
Lys	Thr	His	His	Asp	Met	Phe	Thr	Lys	Gly	Gln	Val	Thr	Thr	Gly	Gln							
	290					295					300											
Tyr	Arg	Met	Leu	Ala	Lys	Arg	Gly	Gly	Tyr	Val	Trp	Val	Glu	Thr	Gln							
305					310					315					320							
Ala	Thr	Val	Ile	Tyr	Asn	Thr	Lys	Asn	Ser	Gln	Pro	Gln	Cys	Ile	Val							
				325					330					335								
Cys	Val	Asn	Tyr	Val	Val	Ser	Gly	Ile	Ile	Gln	His	Asp	Leu	Ile	Phe							
			340					345					350									
Ser	Leu	Gln	Gln	Thr	Glu	Cys	Val	Leu	Lys	Pro	Val	Glu	Ser	Ser	Asp							
		355					360					365										
Met	Lys	Met	Thr	Gln	Leu	Phe	Thr	Lys	Val	Glu	Ser	Glu	Asp	Thr	Ser							
	370					375					380											
Ser	Leu	Phe	Asp	Lys	Leu	Lys	Lys	Glu	Pro	Asp	Ala	Leu	Thr	Leu	Leu							
385					390					395					400							
Ala	Pro	Ala	Ala	Gly	Asp	Thr	Ile	Ile	Ser	Leu	Asp	Phe	Gly	Ser	Asn							
				405					410					415								
Asp	Thr	Glu	Thr	Asp	Asp	Gln	Gln	Leu	Glu	Glu	Val	Pro	Leu	Tyr	Asn							
			420					425					430									
Asp	Val	Met	Leu	Pro	Ser	Pro	Asn	Glu	Lys	Leu	Gln	Asn	Ile	Asn	Leu							
		435					440					445										
Ala	Met	Ser	Pro	Leu	Pro	Thr	Ala	Glu	Thr	Pro	Lys	Pro	Leu	Arg	Ser							
	450					455					460											
Ser	Ala	Asp	Pro	Ala	Leu	Asn	Gln	Glu	Val	Ala	Leu	Lys	Leu	Glu	Pro							
465					470					475					480							
Asn	Pro	Glu	Ser	Leu	Glu	Leu	Ser	Phe	Thr	Met	Pro	Gln	Ile	Gln	Asp							
				485					490					495								
Gln	Thr	Pro	Ser	Pro	Ser	Asp	Gly	Ser	Thr	Arg	Gln	Ser	Ser	Pro	Glu							
		500					505						510									
Pro	Asn	Ser	Pro	Ser	Glu	Tyr	Cys	Phe	Tyr	Val	Asp	Ser	Asp	Met	Val							
	515						520					525										
Asn	Glu	Phe	Lys	Leu	Glu	Leu	Val	Glu	Lys	Leu	Phe	Ala	Glu	Asp	Thr							
	530					535					540											
Glu	Ala	Lys	Asn	Pro	Phe	Ser	Thr	Gln	Asp	Thr	Asp	Leu	Asp	Leu	Glu							
545					550					555					560							
Met	Leu	Ala	Pro	Tyr	Ile	Pro	Met	Asp	Asp	Asp	Phe	Gln	Leu	Arg	Ser							
				565					570					575								
Phe	Asp	Gln	Leu	Ser	Pro	Leu	Glu	Ser	Ser	Ser	Ala	Ser	Pro	Glu	Ser							
			580					585					590									
Ala	Ser																					

690		695		700
Glu Leu Asn Pro Lys Ile Leu Ala Leu Gln Asn Ala Gln Arg Lys Arg				
705		710		715
Lys Met Glu His Asp Gly Ser Leu Phe Gln Ala Val Gly Ile Gly Thr				
		725		730
Leu Leu Gln Gln Pro Asp Asp His Ala Ala Thr Thr Ser Leu Ser Trp				
		740		745
Lys Arg Val Lys Gly Cys Lys Ser Ser Glu Gln Asn Gly Met Glu Gln				
		755		760
Lys Thr Ile Ile Leu Ile Pro Ser Asp Leu Ala Cys Arg Leu Leu Gly				
		770		775
Gln Ser Met Asp Glu Ser Gly Leu Pro Gln Leu Thr Ser Tyr Asp Cys				
		785		790
Glu Val Asn Ala Pro Ile Gln Gly Ser Arg Asn Leu Leu Gln Gly Glu				
		805		810
Glu Leu Leu Arg Ala Leu Asp Gln Val Asn				
		820		825

<210> 331
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 331
Met Ala Tyr Arg Gly Gln Gly Gln Lys Val Gln Lys Val Met Val Gln
1 5 10 15
Pro Ile Asn Leu Ile Phe Arg Tyr Leu Gln Asn Arg Ser Arg Ile Gln
20 25 30
Val Trp Leu Tyr Glu Gln Val Asn Met Arg Ile Glu Gly Cys Ile Ile
35 40 45
Gly Phe Asp Glu Tyr Met Asn Leu Val Leu Asp Asp Ala Glu Glu Ile
50 55 60
His Ser Lys Thr Lys Ser Arg Lys Gln Leu Gly Arg Ile Met Leu Lys
65 70 75 80
Gly Asp Asn Ile Thr Leu Leu Gln Ser Val Ser Asn
85 90

<210> 332
 <211> 235
 <212> PRT
 <213> Homo sapiens

<400> 332
Met Asp Pro Ala Arg Pro Leu Gly Leu Ser Ile Leu Leu Leu Phe Leu
1 5 10 15
Thr Glu Ala Ala Leu Gly Asp Ala Ala Gln Glu Pro Thr Gly Asn Asn
20 25 30
Ala Glu Ile Cys Leu Leu Pro Leu Asp Tyr Gly Pro Cys Arg Ala Leu
35 40 45
Leu Leu Arg Tyr Tyr Tyr Asp Arg Tyr Thr Gln Ser Cys Arg Gln Phe
50 55 60
Leu Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Tyr Thr Trp Glu

65 70 75 80
 Ala Cys Asp Asp Ala Cys Trp Arg Ile Glu Lys Val Pro Lys Val Cys
 85 90 95
 Arg Leu Gln Val Ser Val Asp Asp Gln Cys Glu Gly Ser Thr Glu Lys
 100 105 110
 Tyr Phe Phe Asn Leu Ser Ser Met Thr Cys Glu Lys Phe Phe Ser Gly
 115 120 125
 Gly Cys His Arg Asn Arg Ile Glu Asn Arg Phe Pro Asp Glu Ala Thr
 130 135 140
 Cys Met Gly Phe Cys Ala Pro Lys Lys Ile Pro Ser Phe Cys Tyr Ser
 145 150 155 160
 Pro Lys Asp Glu Gly Leu Cys Ser Ala Asn Val Thr Arg Tyr Tyr Phe
 165 170 175
 Asn Pro Arg Tyr Arg Thr Cys Asp Ala Phe Thr Tyr Thr Gly Cys Gly
 180 185 190
 Gly Asn Asp Asn Asn Phe Val Ser Arg Glu Asp Cys Lys Arg Ala Cys
 195 200 205
 Ala Lys Ala Leu Lys Lys Lys Lys Lys Met Pro Lys Leu Arg Phe Ala
 210 215 220
 Ser Arg Ile Arg Lys Ile Arg Lys Lys Gln Phe
 225 230 235

<210> 333
 <211> 291
 <212> PRT
 <213> Homo sapiens

<400> 333
 Met Gln Arg Ala Arg Pro Thr Leu Trp Ala Ala Ala Leu Thr Leu Leu
 1 5 10 15
 Val Leu Leu Arg Gly Pro Pro Val Ala Arg Ala Gly Ala Ser Ser Gly
 20 25 30
 Gly Leu Gly Pro Val Val Arg Cys Glu Pro Cys Asp Ala Arg Ala Leu
 35 40 45
 Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu Val Arg Glu
 50 55 60
 Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu Gly Gln Pro
 65 70 75 80
 Cys Gly Ile Tyr Thr Glu Arg Cys Gly Ser Gly Leu Arg Cys Gln Pro
 85 90 95
 Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp Gly Arg Gly
 100 105 110
 Leu Cys Val Asn Ala Ser Ala Val Ser Arg Leu Arg Ala Tyr Leu Leu
 115 120 125
 Pro Ala Pro Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu Glu Asp Arg
 130 135 140
 Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr His Arg Val
 145 150 155 160
 Ser Asp Pro Lys Phe His Pro Leu His Ser Lys Ile Ile Ile Ile Lys
 165 170 175
 Lys Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp Tyr Glu Ser
 180 185 190
 Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr

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<210> 334
<211> 582
<212> PRT
<213> Homo sapiens
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<400> 334															
Glu 1	Ser	Lys	Gly	Ala 5	Ser	Ser	Cys	Arg	Leu 10	Leu	Phe	Cys	Leu	Leu 15	Ile
Ser	Ala	Thr	Val	Phe	Arg	Pro	Gly	Leu 25	Gly	Trp	Tyr	Thr	Val	Asn 30	Ser
Ala	Tyr	Gly	Asp	Thr	Ile	Ile	Ile 40	Pro	Cys	Arg	Leu	Asp 45	Val	Pro	Gln
Asn	Leu	Met	Phe	Gly	Lys	Trp	Lys 55	Tyr	Glu	Lys	Pro	Asp 60	Gly	Ser	Pro
Val 65	Phe	Ile	Ala	Phe	Arg	Ser	Ser 70	Thr	Lys	Lys 75	Ser	Val	Gln	Tyr	Asp 80
Asp	Val	Pro	Glu	Tyr	Lys	Asp	Arg 85	Leu	Asn 90	Leu	Ser	Glu	Asn 95	Tyr	Thr
Leu	Ser	Ile	Ser	Asn	Ala	Arg	Ile 100	Ser	Asp 105	Glu	Lys	Arg	Phe 110	Val	Cys
Met	Leu	Val	Thr	Glu	Asp	Asn	Val 120	Phe	Glu	Ala	Pro	Thr 125	Ile	Val	Lys
Val	Phe	Lys	Gln	Pro	Ser	Lys	Pro 135	Glu	Ile	Val	Ser	Lys 140	Ala	Leu	Phe
Leu 145	Glu	Thr	Glu	Gln	Leu	Lys	Lys 150	Leu	Gly	Asp	Cys	Ile 155	Ser	Glu	Asp 160
Ser	Tyr	Pro	Asp	Gly	Asn	Ile	Thr 165	Trp	Tyr	Arg	Asn	Gly 170	Lys	Val	Leu 175
His	Pro	Leu	Glu	Gly	Ala	Val	Val 180	Ile	Ile	Phe	Lys	Lys 185	Glu	Met	Asp 190
Pro	Val	Thr	Gln	Leu	Tyr	Thr	Met 200	Thr	Ser	Thr	Leu	Glu 205	Tyr	Lys	Thr
Thr	Lys	Ala	Asp	Ile	Gln	Met	Pro 215	Phe	Thr	Cys	Ser	Val 220	Thr	Tyr	Tyr
Gly 225	Pro	Ser	Gly	Gln	Lys	Thr	Ile 230	His	Ser	Glu	Gln	Ala 235	Val	Phe	Asp 240
Ile	Tyr	Tyr	Pro	Thr	Glu	Gln	Val 245	Thr	Ile	Gln	Val	Leu 250	Pro	Pro	Lys 255
Asn	Ala	Ile	Lys	Glu	Gly	Asp	Asn	Ile	Thr	Leu	Lys	Cys	Leu	Gly	Asn

260 265 270
 Gly Asn Pro Pro Glu Glu Phe Leu Phe Tyr Leu Pro Gly Gln Pro
 275 280 285
 Glu Gly Ile Arg Ser Ser Asn Thr Tyr Thr Leu Thr Asp Val Arg Arg
 290 295 300
 Asn Ala Thr Gly Asp Tyr Lys Cys Ser Leu Ile Asp Lys Lys Ser Met
 305 310 315 320
 Ile Ala Ser Thr Ala Ile Thr Val His Tyr Leu Asp Leu Ser Leu Asn
 325 330 335
 Pro Ser Gly Glu Val Thr Arg Gln Ile Gly Asp Ala Leu Pro Val Ser
 340 345 350
 Cys Thr Ile Ser Ala Ser Arg Asn Ala Thr Val Val Trp Met Lys Asp
 355 360 365
 Asn Ile Arg Leu Arg Ser Ser Pro Ser Phe Ser Ser Leu His Tyr Gln
 370 375 380
 Asp Ala Gly Asn Tyr Val Cys Glu Thr Ala Leu Gln Glu Val Glu Gly
 385 390 395 400
 Leu Lys Lys Arg Glu Ser Leu Thr Leu Ile Val Glu Gly Lys Pro Gln
 405 410 415
 Ile Lys Met Thr Lys Lys Thr Asp Pro Ser Gly Leu Ser Lys Thr Ile
 420 425 430
 Ile Cys His Val Glu Gly Phe Pro Lys Pro Ala Ile Gln Trp Thr Ile
 435 440 445
 Thr Gly Ser Gly Ser Val Ile Asn Gln Thr Glu Glu Ser Pro Tyr Ile
 450 455 460
 Asn Gly Arg Tyr Tyr Ser Lys Ile Ile Ile Ser Pro Glu Glu Asn Val
 465 470 475 480
 Thr Leu Thr Cys Thr Ala Glu Asn Gln Leu Glu Arg Thr Val Asn Ser
 485 490 495
 Leu Asn Val Ser Ala Ile Ser Ile Pro Glu His Asp Glu Ala Asp Glu
 500 505 510
 Ile Ser Asp Glu Asn Arg Glu Lys Val Asn Asp Gln Ala Lys Leu Ile
 515 520 525
 Val Gly Ile Val Val Gly Leu Leu Leu Ala Ala Leu Val Ala Gly Val
 530 535 540
 Val Tyr Trp Leu Tyr Met Lys Lys Ser Lys Thr Ala Ser Lys His Val
 545 550 555 560
 Asn Lys Asp Leu Gly Asn Met Glu Glu Asn Lys Lys Leu Glu Glu Asn
 565 570 575
 Asn His Lys Thr Glu Ala
 580

<210> 335

<211> 709

<212> PRT

<213> Homo sapiens

<400> 335

Met Ala Glu Val Glu Asp Gln Ala Ala Arg Asp Met Lys Arg Leu Glu
 1 5 10 15
 Glu Lys Asp Lys Glu Arg Lys Asn Val Lys Gly Ile Arg Asp Asp Ile
 20 25 30
 Glu Glu Glu Asp Asp Gln Glu Ala Tyr Phe Arg Tyr Met Ala Glu Asn

		35					40					45				
Pro	Thr	Ala	Gly	Val	Val	Gln	Glu	Glu	Glu	Glu	Asp	Asn	Leu	Glu	Tyr	
	50					55					60					
Asp	Ser	Asp	Gly	Asn	Pro	Ile	Ala	Pro	Thr	Lys	Lys	Ile	Ile	Asp	Pro	
65					70					75					80	
Leu	Pro	Pro	Ile	Asp	His	Ser	Glu	Ile	Asp	Tyr	Pro	Pro	Phe	Glu	Lys	
				85					90					95		
Asn	Phe	Tyr	Asn	Glu	His	Glu	Glu	Ile	Thr	Asn	Leu	Thr	Pro	Gln	Gln	
			100					105					110			
Leu	Ile	Asp	Leu	Arg	His	Lys	Leu	Asn	Leu	Arg	Val	Ser	Gly	Ala	Ala	
		115					120					125				
Pro	Pro	Arg	Pro	Gly	Ser	Ser	Phe	Ala	His	Phe	Gly	Phe	Asp	Glu	Gln	
		130				135				140						
Leu	Met	His	Gln	Ile	Arg	Lys	Ser	Glu	Tyr	Thr	Gln	Pro	Thr	Pro	Ile	
145					150					155					160	
Gln	Cys	Gln	Gly	Val	Pro	Val	Ala	Leu	Ser	Gly	Arg	Asp	Met	Ile	Gly	
				165					170					175		
Ile	Ala	Lys	Thr	Gly	Ser	Gly	Lys	Thr	Ala	Ala	Phe	Ile	Trp	Pro	Met	
			180					185					190			
Leu	Ile	His	Ile	Met	Asp	Gln	Lys	Glu	Leu	Glu	Pro	Gly	Asp	Gly	Pro	
		195					200					205				
Ile	Ala	Val	Ile	Val	Cys	Pro	Thr	Arg	Glu	Leu	Cys	Gln	Gln	Ile	His	
	210					215					220					
Ala	Glu	Cys	Lys	Arg	Phe	Gly	Lys	Ala	Tyr	Asn	Leu	Arg	Ser	Val	Ala	
225					230					235					240	
Val	Tyr	Gly	Gly	Gly	Ser	Met	Trp	Glu	Gln	Ala	Lys	Ala	Leu	Gln	Glu	
				245					250					255		
Gly	Ala	Glu	Ile	Val	Val	Cys	Thr	Pro	Gly	Arg	Leu	Ile	Asp	His	Val	
			260					265					270			
Lys	Lys	Lys	Ala	Thr	Asn	Leu	Gln	Arg	Val	Ser	Tyr	Leu	Val	Phe	Asp	
		275					280					285				
Glu	Ala	Asp	Arg	Met	Phe	Asp	Met	Gly	Phe	Glu	Tyr	Gln	Val	Arg	Ser	
	290					295					300					
Ile	Ala	Ser	His	Val	Arg	Pro	Asp	Arg	Gln	Thr	Leu	Leu	Phe	Ser	Ala	
305					310					315					320	
Thr	Phe	Arg	Lys	Lys	Ile	Glu	Lys	Leu	Ala	Arg	Asp	Ile	Leu	Ile	Asp	
				325					330					335		
Pro	Ile	Arg	Val	Val	Gln	Gly	Asp	Ile	Gly	Glu	Ala	Asn	Glu	Asp	Val	
			340					345					350			
Thr	Gln	Ile	Val	Glu	Ile	Leu	His	Ser	Gly	Pro	Ser	Lys	Trp	Asn	Trp	
		355					360					365				
Leu	Thr	Arg	Arg	Leu	Val	Glu	Phe	Thr	Ser	Ser	Gly	Ser	Val	Leu	Leu	
	370					375					380					
Phe	Val	Thr	Lys	Lys	Ala	Asn	Ala	Glu	Glu	Leu	Ala	Asn	Asn	Leu	Lys	
385					390					395					400	
Gln	Glu	Gly	His	Asn	Leu	Gly	Leu	Leu	His	Gly	Asp	Met	Asp	Gln	Ser	
				405					410					415		
Glu	Arg	Asn	Lys	Val	Ile	Ser	Asp	Phe	Lys	Lys	Lys	Asp	Ile	Pro	Val	
			420					425					430			
Leu	Val	Ala	Thr	Asp	Val	Ala	Ala	Arg	Gly	Leu	Asp	Ile	Pro	Ser	Ile	
		435					440					445				
Lys	Thr	Val	Ile	Asn	Tyr	Asp	Val	Ala	Arg	Asp	Ile	Asp	Thr	His	Thr	
	450					455				460						
His	Arg	Ile	Gly	Arg	Thr	Gly	Arg	Ala	Gly	Glu	Lys	Gly	Val	Ala	Tyr	

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465              470              475              480
Thr Leu Leu Thr Pro Lys Asp Ser Asn Phe Ala Gly Asp Leu Val Arg
              485              490              495
Asn Leu Glu Gly Ala Asn Gln His Val Ser Lys Glu Leu Leu Asp Leu
              500              505              510
Ala Met Gln Asn Ala Trp Phe Arg Lys Ser Arg Phe Lys Gly Gly Lys
              515              520              525
Gly Lys Lys Leu Asn Ile Gly Gly Gly Gly Leu Gly Tyr Arg Glu Arg
              530              535              540
Pro Gly Leu Gly Ser Glu Asn Met Asp Arg Gly Asn Asn Asn Val Met
545              550              555              560
Ser Asn Tyr Glu Ala Tyr Lys Pro Ser Thr Gly Ala Met Gly Asp Arg
              565              570              575
Leu Thr Ala Met Lys Ala Ala Phe Gln Ser Gln Tyr Lys Ser His Phe
              580              585              590
Val Ala Ala Ser Leu Ser Asn Gln Lys Ala Gly Ser Ser Ala Ala Gly
              595              600              605
Ala Ser Gly Trp Thr Ser Ala Gly Ser Leu Asn Ser Val Pro Thr Asn
              610              615              620
Ser Ala Gln Gln Gly His Asn Ser Pro Asp Ser Pro Val Thr Ser Ala
625              630              635              640
Ala Lys Gly Ile Pro Gly Phe Gly Asn Thr Gly Asn Ile Ser Gly Ala
              645              650              655
Pro Val Thr Tyr Pro Ser Ala Gly Ala Gln Gly Val Asn Asn Thr Ala
              660              665              670
Ser Gly Asn Asn Ser Arg Glu Gly Thr Gly Gly Ser Asn Gly Lys Arg
              675              680              685
Glu Arg Tyr Thr Glu Asn Arg Gly Ser Ser Pro Ser Gln Ser Arg Arg
690              695              700
Asp Trp Gln Ser Ala
705

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<210> 336

<211> 480

<212> PRT

<213> Homo sapiens

<400> 336

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Met Ile Arg Ala Ala Pro Pro Pro Leu Phe Leu Leu Leu Leu Leu
1              5              10              15
Leu Leu Leu Val Ser Trp Ala Ser Arg Gly Glu Ala Ala Pro Asp Gln
              20              25              30
Asp Glu Ile Gln Arg Leu Pro Gly Leu Ala Lys Gln Pro Ser Phe Arg
              35              40              45
Gln Tyr Ser Gly Tyr Leu Lys Ser Ser Gly Ser Lys His Leu His Tyr
              50              55              60
Trp Phe Val Glu Ser Gln Lys Asp Pro Glu Asn Ser Pro Val Val Leu
65              70              75              80
Trp Leu Asn Gly Gly Pro Gly Cys Ser Ser Leu Asp Gly Leu Leu Thr
              85              90              95
Glu His Gly Pro Phe Leu Val Gln Pro Asp Gly Val Thr Leu Glu Tyr
              100              105              110
Asn Pro Tyr Ser Trp Asn Leu Ile Ala Asn Val Leu Tyr Leu Glu Ser

```

Pro	Ala	Gly	Val	Gly	Phe	Ser	Tyr	Ser	Asp	Asp	Lys	Phe	Tyr	Ala	Thr
130						135					140				
Asn	Asp	Thr	Glu	Val	Ala	Gln	Ser	Asn	Phe	Glu	Ala	Leu	Gln	Asp	Phe
145					150					155					160
Phe	Arg	Leu	Phe	Pro	Glu	Tyr	Lys	Asn	Asn	Lys	Leu	Phe	Leu	Thr	Gly
				165					170					175	
Glu	Ser	Tyr	Ala	Gly	Ile	Tyr	Ile	Pro	Thr	Leu	Ala	Val	Leu	Val	Met
			180					185					190		
Gln	Asp	Pro	Ser	Met	Asn	Leu	Gln	Gly	Leu	Ala	Val	Gly	Asn	Gly	Leu
		195					200					205			
Ser	Ser	Tyr	Glu	Gln	Asn	Asp	Asn	Ser	Leu	Val	Tyr	Phe	Ala	Tyr	Tyr
	210					215					220				
His	Gly	Leu	Leu	Gly	Asn	Arg	Leu	Trp	Ser	Ser	Leu	Gln	Thr	His	Cys
225					230					235					240
Cys	Ser	Gln	Asn	Lys	Cys	Asn	Phe	Tyr	Asp	Asn	Lys	Asp	Leu	Glu	Cys
				245					250					255	
Val	Thr	Asn	Leu	Gln	Glu	Val	Ala	Arg	Ile	Val	Gly	Asn	Ser	Gly	Leu
		260						265					270		
Asn	Ile	Tyr	Asn	Leu	Tyr	Ala	Pro	Cys	Ala	Gly	Gly	Val	Pro	Ser	His
	275						280					285			
Phe	Arg	Tyr	Glu	Lys	Asp	Thr	Val	Val	Val	Gln	Asp	Leu	Gly	Asn	Ile
	290					295					300				
Phe	Thr	Arg	Leu	Pro	Leu	Lys	Arg	Met	Trp	His	Gln	Ala	Leu	Leu	Arg
305					310					315					320
Ser	Gly	Asp	Lys	Val	Arg	Met	Asp	Pro	Pro	Cys	Thr	Asn	Thr	Thr	Ala
				325					330					335	
Ala	Ser	Thr	Tyr	Leu	Asn	Asn	Pro	Tyr	Val	Arg	Lys	Ala	Leu	Asn	Ile
			340					345					350		
Pro	Glu	Gln	Leu	Pro	Gln	Trp	Asp	Met	Cys	Asn	Phe	Leu	Val	Asn	Leu
		355					360					365			
Gln	Tyr	Arg	Arg	Leu	Tyr	Arg	Ser	Met	Asn	Ser	Gln	Tyr	Leu	Lys	Leu
	370					375					380				
Leu	Ser	Ser	Gln	Lys	Tyr	Gln	Ile	Leu	Leu	Tyr	Asn	Gly	Asp	Val	Asp
385					390					395					400
Met	Ala	Cys	Asn	Phe	Met	Gly	Asp	Glu	Trp	Phe	Val	Asp	Ser	Leu	Asn
				405					410					415	
Gln	Lys	Met	Glu	Val	Gln	Arg	Arg	Pro	Trp	Leu	Val	Lys	Tyr	Gly	Asp
			420					425					430		
Ser	Gly	Glu	Gln	Ile	Ala	Gly	Phe	Val	Lys	Glu	Phe	Ser	His	Ile	Ala
		435					440					445			
Phe	Leu	Thr	Ile	Lys	Gly	Ala	Gly	His	Met	Val	Pro	Thr	Asp	Lys	Pro
	450					455					460				
Leu	Ala	Ala	Phe	Thr	Met	Phe	Ser	Arg	Phe	Leu	Asn	Lys	Gln	Pro	Tyr
465					470					475					480

<210> 337

<211> 543

<212> PRT

<213> Homo sapiens

<400> 337

Met Ala Ala Ala Lys Ala Glu Met Gln Leu Met Ser Pro Leu Gln Ile

1													5													10													15				
Ser	Asp	Pro	Phe		Gly	Ser	Phe	Pro	His	Ser	Pro	Thr	Met	Asp	Asn	Tyr																											
																	20													25													30
Pro	Lys	Leu	Glu	Glu	Met	Met	Leu	Leu	Ser	Asn	Gly	Ala	Pro	Gln	Phe																												
																	35													40													45
Leu	Gly	Ala	Ala	Gly	Ala	Pro	Glu	Gly	Ser	Gly	Ser	Asn	Ser	Ser	Ser																												
																	50													55													60
Ser	Ser	Ser	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Ser	Asn	Ser	Ser	Ser																											
65																	70													75													80
Ser	Ser	Ser	Ser	Thr	Phe	Asn	Pro	Gln	Ala	Asp	Thr	Gly	Glu	Gln	Pro																												
																	85													90													95
Tyr	Glu	His	Leu	Thr	Ala	Glu	Ser	Phe	Pro	Asp	Ile	Ser	Leu	Asn	Asn																												
																	100													105													110
Glu	Lys	Val	Leu	Val	Glu	Thr	Ser	Tyr	Pro	Ser	Gln	Thr	Thr	Arg	Leu																												
																	115													120													125
Pro	Pro	Ile	Thr	Tyr	Thr	Gly	Arg	Phe	Ser	Leu	Glu	Pro	Ala	Pro	Asn																												
																	130													135													140
Ser	Gly	Asn	Thr	Leu	Trp	Pro	Glu	Pro	Leu	Phe	Ser	Leu	Val	Ser	Gly																												
145																	150													155													160
Leu	Val	Ser	Met	Thr	Asn	Pro	Pro	Ala	Ser	Ser	Ser	Ser	Ala	Pro	Ser																												
																	165													170													175
Pro	Ala	Ala	Ser	Ser	Ala	Ser	Ala	Ser	Gln	Ser	Pro	Pro	Leu	Ser	Cys																												
																	180													185													190
Ala	Val	Pro	Ser	Asn	Asp	Ser	Ser	Pro	Ile	Tyr	Ser	Ala	Ala	Pro	Thr																												
																	195													200													205
Phe	Pro	Thr	Pro	Asn	Thr	Asp	Ile	Phe	Pro	Glu	Pro	Gln	Ser	Gln	Ala																												
																	210													215													220
Phe	Pro	Gly	Ser	Ala	Gly	Thr	Ala	Leu	Gln	Tyr	Pro	Pro	Pro	Ala	Tyr																												
225																	230													235													240
Pro	Ala	Ala	Lys	Gly	Gly	Phe	Gln	Val	Pro	Met	Ile	Pro	Asp	Tyr	Leu																												
																	245													250													255
Phe	Pro	Gln	Gln	Gln	Gly	Asp	Leu	Gly	Leu	Gly	Thr	Pro	Asp	Gln	Lys																												
																	260													265													270
Pro	Phe	Gln	Gly	Leu	Glu	Ser	Arg	Thr	Gln	Gln	Pro	Ser	Leu	Thr	Pro																												
																	275													280													285
Leu	Ser	Thr	Ile	Lys	Ala	Phe	Ala	Thr	Gln	Ser	Gly	Ser	Gln	Asp	Leu																												
																	290													295													300
Lys	Ala	Leu	Asn	Thr	Ser	Tyr	Gln	Ser	Gln	Leu	Ile	Lys	Pro	Ser	Arg																												
305																	310													315													320
Met	Arg	Lys	Tyr	Pro	Asn	Arg	Pro	Ser	Lys	Thr	Pro	Pro	His	Glu	Arg																												
																	325													330													335
Pro	Tyr	Ala	Cys	Pro	Val	Glu	Ser	Cys	Asp	Arg	Arg	Phe	Ser	Arg	Ser																												
																	340													345													350
Asp	Glu	Leu	Thr	Arg	His	Ile	Arg	Ile	His	Thr	Gly	Gln	Lys	Pro	Phe																												
																	355													360													365
Gln	Cys	Arg	Ile	Cys	Met	Arg	Asn	Phe	Ser	Arg	Ser	Asp	His	Leu	Thr																												
																	370													375													380
Thr	His	Ile	Arg	Thr	His	Thr	Gly	Glu	Lys	Pro	Phe	Ala	Cys	Asp	Ile																												
385																	390													395													400
Cys	Gly	Arg	Lys	Phe	Ala	Arg	Ser	Asp	Glu	Arg	Lys	Arg																															

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<210> 338
<211> 148
<212> PRT
<213> Homo sapiens
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<210> 339
<211> 196
<212> PRT
<213> Homo sapiens
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<400> 339															
Met	Pro	Gly	Met	Phe	Phe	Ser	Ala	Asn	Pro	Lys	Glu	Leu	Lys	Gly	Thr
1				5					10					15	
Thr	His	Ser	Leu	Leu	Asp	Asp	Lys	Met	Gln	Lys	Arg	Arg	Pro	Lys	Thr
			20					25					30		
Phe	Gly	Met	Asp	Met	Lys	Ala	Tyr	Leu	Arg	Ser	Met	Ile	Pro	His	Leu

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<210> 340
<211> 316
<212> PRT
<213> Homo sapiens
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<400> 340																
Met	Ala	Thr	Phe	Val	Glu	Leu	Ser	Thr	Lys	Ala	Lys	Met	Pro	Ile	Val	
1				5					10					15		
Gly	Leu	Gly	Thr	Trp	Lys	Ser	Pro	Leu	Gly	Lys	Val	Lys	Glu	Ala	Val	
			20					25					30			
Lys	Val	Ala	Ile	Asp	Ala	Gly	Tyr	Arg	His	Ile	Asp	Cys	Ala	Tyr	Val	
		35				40						45				
Tyr	Gln	Asn	Glu	His	Glu	Val	Gly	Glu	Ala	Ile	Gln	Glu	Lys	Ile	Gln	
	50				55						60					
Glu	Lys	Ala	Val	Lys	Arg	Glu	Asp	Leu	Phe	Ile	Val	Ser	Lys	Leu	Trp	
65				70						75					80	
Pro	Thr	Phe	Phe	Glu	Arg	Pro	Leu	Val	Arg	Lys	Ala	Phe	Glu	Lys	Thr	
			85						90					95		
Leu	Lys	Asp	Leu	Lys	Leu	Ser	Tyr	Leu	Asp	Val	Tyr	Leu	Ile	His	Trp	
			100					105					110			
Pro	Gln	Gly	Phe	Lys	Ser	Gly	Asp	Asp	Leu	Phe	Pro	Lys	Asp	Asp	Lys	
		115				120						125				
Gly	Asn	Ala	Ile	Gly	Gly	Lys	Ala	Thr	Phe	Leu	Asp	Ala	Trp	Glu	Ala	
	130				135						140					
Met	Glu	Glu	Leu	Val	Asp	Glu	Gly	Leu	Val	Lys	Ala	Leu	Gly	Val	Ser	
145				150						155				160		
Asn	Phe	Ser	His	Phe	Gln	Ile	Glu	Lys	Leu	Leu	Asn	Lys	Pro	Gly	Leu	
			165						170					175		
Lys	Tyr	Lys	Pro	Val	Thr	Asn	Gln	Val	Glu	Cys	His	Pro	Tyr	Leu	Thr	
		180					185						190			
Gln	Glu	Lys	Leu	Ile	Gln	Tyr	Cys	His	Ser	Lys	Gly	Ile	Thr	Val	Thr	

	195		200		205
Ala	Tyr	Ser	Pro	Leu	Gly
210					215
Asp	Pro	Ser	Leu	Leu	Glu
225					230
His	Lys	Lys	Thr	Ala	Ala
					245
Asn	Val	Ile	Val	Ile	Pro
					260
Asn	Ile	Gln	Val	Phe	Asp
					275
Ile	Leu	Ser	Phe	Asn	Arg
					290
Ser	His	Leu	Glu	Asp	Tyr
305					310

<210> 341
 <211> 422
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 10, 13, 15, 29
 <223> n = A,T,C or G

<400> 341
 gatganattn ttncnagaga gaggaagang ctattcagtt ggatgggatt aaatgcatca 60
 caaataagag aacttagaga gaagtcggaa aagtttgctt tccaagcccg aagttaacag 120
 aatgatgaaa cttatcatca attcattgta taaaaataaa gagattttcc tgagagaact 180
 gatttcaaat gcttctgatg ctttagataa gataaggcta atatcactga ctgatgaaaa 240
 tgctctttct ggaaatgagg aactaacagt caaaattaag tgtgataagg agaagacctg 300
 ctgcatgtca cagacaccgg tgtaggaatg accagagaag agttgggtta aaaccttggg 360
 accatagcca aatctgggac aagcgagttt ttaaacaaaa tgactgaagc acaggaagat 420
 gg 422

<210> 342
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 109
 <223> n = A,T,C or G

<400> 342
 ctggagaagg tgtgcagggg aaaccctgct gatgtcaccg aggccagggt gtctttctac 60
 tcgggacact cttcctttgg gatgtactgc atgggtgttct tggcgctgna tgtgcaggca 120
 cgactctggt ggaagtgggc acggctgctg cgaccacag tccagttctt cctgggtggc 180
 tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gagcgatgtc 240
 cttgttggcc tcctgcaggg ggcactgggt gctgccctca ctgtctgcta catctcagac 300
 ttccctcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360

agcctgtcac tgacgttgac cctgggagag gctgaccaca accactatgg ataccgcac 420
 tcctcctcct gaggccggac cccgccagag caggagagta ctgtgagtc ag 472

<210> 343
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 343
 gtccctgggccc ttcccccttcc ctcaagccag ggctcctcct cctgtcgtgg gtcattgtg 60
 accactggccc tctctacagc acggcctgtg gcctgttcaa ggcagaacca cgacccttga 120
 ctcccgggtg gggaggtgg 139

<210> 344
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 344
 ctgcgggctc agcacagtag acatgactgg gatccccacc ttggacaacc tccagaaggg 60
 agtccaattt gctctcaagt accagtcgct gggccagtgt gtttacgtgc attgtaaggc 120
 tgggcgctcc aggagtgcc ctatggtggc agcatacctg attcaggtgc acaaatggag 180
 tccagaggag gctgtaagag ccacgcgcaa gatccggtca tacatccaca tcagg 235

<210> 345
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 345
 ctgtaagggtg ctattcagtc ctgtgacct tattttggaa tgctcttcat tactgttgct 60
 ctgttttggtg acttcctggg aaaccgccta ctttggtgtg gtgtcacctt gagctgtgca 120
 cataggacac cagttttgac ttaacctaac aggcagtttt tatctctagc tttttcaagc 180
 caggatttga gcagtttctt ggccaatggc ctgagaaaacc acctgtccct gtcaaggggt 240
 gattttattg gttttaagtg gggaagtaat cccatgtact tatttcttaa atacctagga 300
 agttcttctt ggtggctcct cttggccctc cctctttct cccccaacct accatcctgc 360
 aaggcaagga atggcctctc cctccacaga ggcaacggct gcagaggag cactgtggct 420
 gccatcccag ttctcttca aagccaaaca gacacgcg 458

<210> 346
 <211> 525
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41, 42, 47, 48, 49, 161, 316, 324, 326, 327, 379, 455, 509
 <223> n = A,T,C or G

<400> 346
 ccagagcaca acgcctcacc atggactgga cctggaggat nntcttnnng gtggcagcag 60
 ccacaggtgt ccactcccaa gcccaacttg tgcaagtctg ggctgaggag aagaagcctg 120
 gggcctcagt gactatttct tgtaaggctt ctggatatat ncttactaaa tatactttac 180
 attgggtgcg ccaggccccc cccggacaaa gacctgaatg ggtgggatgg atcaacactg 240


```
gcattgatac cgttaaatat tcacagaagt ttcaggacag agtctccatt acctgggact 300
catccgcgac cacagnctac ctgnanntga gtagcctgga atccgaagac acggctgtgt 360
attactgtgc gagacttang gcccggttcgc tgtggtggga cttaatgacg cttttgacat 420
ctggggccaa gggacagtgg tcaccgtctc ttcanggagt gcattcgccc caaccctttt 480
ccccctctct cctgtgaaga attccccgnc ggatacgagc agcgt 525
```

<210> 347

<211> 423

<212> DNA

<213> Homo sapiens

<400> 347

```
ccagacgctg acttgtttct gagtccttaa gcaggaagga tttgaaatcc tggagcttgg 60
cagtcttgtc cttcacctct aagccaatgt tgaccccttc atctataaag tccacaactc 120
tccggaagtc atcctcacgg aactgtcgag aagttaaggc tggggcccca agccgcaggc 180
cgcccgggtg gatggcactt cggctctccag gacaggtgtt cttgttggca gtgatggata 240
caagctctag caccgcctca gcccgagctc catccaggcc cttgggcccgc aggtccacca 300
gcaccagggt gttgtcagta ccacctgata ccagtgagta gcctcgctct agcagggcat 360
ctgccatggc ccgagcattc ttcagaacct gcagggagta cccccggaac atgggggtgc 420
agg 423
```

<210> 348

<211> 513

<212> DNA

<213> Homo sapiens

<400> 348

```
cctctaggcc tgatgctctc agaggcaata gaagaaaagt aaaaggaagg tctcacttca 60
cagacaatga aacctccta accctcttcc ccactaccca caactcccta cactgccaat 120
ctaaataaaa agaggacaat gcatgagtgt gagatacaca tacacacaca cacatacaca 180
cacacacacg cacagcttcc tttcagccaa agaactgcaa aatccttccc cggaaggagg 240
acaactggca acaccaatca aggccttggtg gtctaagggt atggctggaa tcatgtgaga 300
ctggtaaaaa tccagggaga aaatgtttca ccttcagctc attcccaagt ctctatgaag 360
cccgcacac ttcacatag gggaactgtg gctctggggg cagcctctgc agctactcag 420
aatagggtgg agggaggggt ggctttgagg ctgccttagc catgaggctc tttgcctagg 480
aatagctgga gatgggagct gcaggggggt cag 513
```

<210> 349

<211> 231

<212> DNA

<213> Homo sapiens

<400> 349

```
ccttatttct cttgtccttt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggt atgtcctgat ccaacatcga ggctgtaaac cctattgttg 180
atatggactc tagagtagga ttgcgctggt atccctaggg taacttgttc c 231
```

<210> 350

<211> 341

<212> DNA

<213> Homo sapiens

<400> 350

```

ctgcccaagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaaggag cgggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagagggccc agccctgtat gaggacccc cagatcagaa 180
aacctcaccc agtggcaaac ctgccacacc caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaaatt gttcagagaa caaactacca g 341

```

```

<210> 351
<211> 256
<212> DNA
<213> Homo sapiens

```

```

<400> 351
ggcgttgggg acggttgtag gacgtggctc tttattcgtg agttttccat ttacctccgc 60
tgaacctaga gtttcagacg ccctatggcg tccgcctcga cccaaccggc ggccttgagc 120
gctgagcaag caaaggtggg cctcgcgagg gtgatccagg cgttctccgc cccggagaat 180
gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtaa gatgctgcaa 240
ttcgtgctgc ccgtgg 256

```

```

<210> 352
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 21
<223> n = A,T,C or G

```

```

<400> 352
cctttcttgt aagtgaagaa naaggaatgc agcaaagaag agttcgacat tggagtcctt 60
agttccatca ggatccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg 120
gctgagatag gtgcaatgac ctacaagatt ttgtgttttc tagctgtcca ggaaaagcca 180
tcttcagtct tgcagacagt caaagagcaa gtgaaaccat ttccagccta aactacataa 240
aagcagccga accaatgatt aaagacctct aaggctccat aatcatcatt aaatatgccc 300
aaactcattg tgacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat 360
ttacatgg 368

```

```

<210> 353
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<400> 353
ctgaggggtg gcagtaagca atgaggatgg gctataaagc tgttaactgg ctaagggcca 60
tccttgggca ggcatttcag acacatctgt agagagggca gtagcatctc cgataggcca 120
gctctgaagg aagcttaatg cttataacag tcacactgca taaattagct tagaatgctc 180
tcttgggtaa aaaatatata tagtgtatat gcacttgaag agcaaaattc ctcaagaaaa 240
aaagtttaat agcaaggagt ttccatcagt cccggtcttt gtgaggatta ccacaacaaa 300
cacttaaaag gatacaacag gtacttatta aatgctgcct tgcctttttac ctcttccttt 360
tttttttt 368

```

```

<210> 354
<211> 380

```

<212> DNA

<213> Homo sapiens

<400> 354

```

ccatggcttc tcacccagac agtctttctg ggcaacttgg ggaagccct gttctgctca 60
agtctcacc ccatggaagag gtgggggaag ggggccttgg tttttcagga agacagggtg 120
gagagcacga gtcactacaa agcagtaaaa gtgaatggtg tctccagggg ctgggtccag 180
aacaccacgg agagccccag ccataaaggt gtgttccgcc tctggcctgc aggaatctct 240
ttgaatctct ttgattggtg gctccaagag caatgggaag tcaacagcca ggaggctgga 300
ctgggttccc tgggaccccg aggtcccaga gctgctgggc agtggttgtc ggcaaagaag 360
aaaggtccaa gagggtcagg                                     380

```

<210> 355

<211> 347

<212> DNA

<213> Homo sapiens

<400> 355

```

ccagtggagg ggtgggggta tcgatcccg cgggggctgg cttggttget ggtgccctga 60
gcccttctct gccgccttg gtgttgctt cactgatgga ggtaggcgtc cagccagatg 120
tcaccagact tcttcgggga cctgacgatg tccaccagcg cggtgaggaa gggcttctact 180
tcgtagctga ggccgtgctt ggcacacagc gacttgacca gcggggccac ccggctgtag 240
ttgtgtctcg gcctcctggg gaagagggtg tgctcgatct ggaagttgag gtgcccgtg 300
aaccagttgg tgaaaagtga gggctccacg ttgcagggtg ctgccag                                     347

```

<210> 356

<211> 157

<212> DNA

<213> Homo sapiens

<400> 356

```

cctggagctg ctgaagactg ctattgggaa agctggctac actgataagg tggatcatcg 60
catggacgta gcggcctccg agttcttcag gtctgggaag tatgacctgg acttcaagtc 120
tcccgatgac cccagcaggt acatctcgcc tgaccag                                     157

```

<210> 357

<211> 323

<212> DNA

<213> Homo sapiens

<400> 357

```

ccatacaggg ctgttgccca ggccttagag gtcactcttc gtacctgat ccagaactgt 60
ggggccagca ccatccgtct acttacctcc ctctgggcca agcacacca ggagaactgt 120
gagacctggg gtgtaaatgg tgagacgggt actttggtgg acatgaagga actgggcata 180
tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300
caaggcgggg ctctgatgc tgg                                     323

```

<210> 358

<211> 555

<212> DNA

<213> Homo sapiens

<400> 358

```

aaaaggtttc taaaacatga cggaggttga gatgaagctt cttcatggag taaaaaatgt 60
atttaaaaga aaattgagag aaaggactac agagccccga gttaatacca atagaagggc 120
aatgctttta gattaaaaatg aagggtgactt aaacagctta aagtttagtt taaaagtgtg 180
aggtgattaa aataatttga aggcgatctt ttaaaaagag attaaaccga aggtgattaa 240
aagaccttga aatccatgac gcaggagaa ttgcgtcatt taaagcctag ttaacgcatt 300
tactaaacgc agacgaaaat ggaaagatta attgggagtg gtaggatgaa acaatttggg 360
gaagatagaa gtttgaagtg gaaaactgga agacagaagt acgggaaggc gaagaaaaga 420
atagagaaga tagggaaatt agaagataaa aacatacttt tagaagaaaa aagataaatt 480
taaacctgaa aagtaggaag cagaagaaaa aagacaagct aggaaacaaa aagctaaggg 540
caaatgtac accac 555

```

<210> 359

<211> 549

<212> DNA

<213> Homo sapiens

<400> 359

```

ctgccaggct gaaaagaagc ctcagctccc acaccgccct cctcaccgcc cttcctcggc 60
agtcacttcc actggtggac cacgggcccc cagccctgtg tcggccttgt ctgtctcagc 120
tcaaccacag tctgacacca gagccactt ccatcctctc tgggtgtgagg cacagcgagg 180
gcagcatctg gaggagctct gcagcctcca cacctaccac gacctcccag ggctgggctc 240
aggaaaaacc agccactgct ttacaggaca gggggttgaa gctgagcccc gcctcacacc 300
caccctcatg cactcaaaga ttggatttta cagctacttg caattcaaaa ttcagaagaa 360
taaaaaatgg gaacatacag aactctaaaa gatagacatc agaaattggt aagttaagct 420
ttttcaaaaa atcagcaatt cccagcgta gtcaagggtg gacactgcac gctctggcat 480
gatgggatgg cgaccgggca agctttcttc ctcgagatgc tcttgctgct tgagagctat 540
tgctttggt 549

```

<210> 360

<211> 289

<212> DNA

<213> Homo sapiens

<400> 360

```

tttaaat ttt actagtgtta cttaatgtat attctaaaaa gagaatgcag taactaatgc 60
cctaaatgtt tgatctctgt ttgtcattac tttttcaaaa ttattttttt ctgtaaagta 120
taatataaa aacttcttgc ttaaattgaa tttctatatt agtggttaat tgcagtttat 180
taaagggatc attatcagta atttcatagc aactgttcta gtgttttgtg tttttaaaac 240
agaattagga atttgagata tctgattata tttttcatat gaatcacag 289

```

<210> 361

<211> 311

<212> DNA

<213> Homo sapiens

<400> 361

```

ctgttcagta tggcaaaggg cagacttact ccttcatcca ctctgctgcc ttgatgaggt 60
gaacacactg gaataagatg gagggcagga tacctgccaa agcctgagga atgagatgat 120
ctgaaacaat tgggcaaagg ctggacattt caaaaagctg acttccaact gcagtttatg 180
ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca gccaggctag 240
gccaaagaaat gagctgctcc agcttctcca gagcacagca gcctcccagg gcctgtcagc 300
atctgcagca g 311

```

<210> 362

<211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14
 <223> n = A,T,C or G

<400> 362
 ccagtttcta aaanaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac 60
 aactctgaga tgaacaatat gtgttatact cagagattaa caatctcaat catacatact 120
 gattctttca gacatttaaat aaccactaca tttttttgca ttaatgaagt ttgactatat 180
 gtgtaaaagg actaaatatt tttgcaacag cctgttcttt gttcattctt ttctggatag 240
 cgtgtcctct gtattgcggt agatttatac attctgttgc cttaaataatgt gtgtaaaatg 300
 agctgataaa ctggagtact acttaaaaaa aagtctgtga tttataagat gcatatgctt 360
 tctatgtgaa tataagcttg tgcacaatgt ttaaaagaaa aacaatgaat tagaagagat 420
 ccccggtccc ccagctctgac atatttcata cagaatgttt aaaagaaaaa ctctgctagt 480
 cttggcaaac atttgg 496

<210> 363
 <211> 673
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 16
 <223> n = A,T,C or G

<400> 363
 ccaagagggga gataanacaa acttctcaaa caaaaagaaa agaaaaacga atgattcatc 60
 tgctttaatc agtgtgatta atgcagcacc cattgccccg ggaaccggtt ctgctgtact 120
 atctggatac taaaatgtta cggaagtagc tctttgttct ccctcactct gcccttagtt 180
 aatagaaatt cagactcgcc aagtaaggct ttgtgcatag tgtcttcatg tcgcgtatag 240
 ttgagcgcgt tcttagcagt tggcttcatg gacagctcat tagtgttttg acttttctta 300
 cccagcgtaa attgaattct tgcttttaga caacttcctt tttgtagtgg tgaaccttgc 360
 ccttttagtac agttcaagtg aatctggata attgttcatc tttgcttttag cttagatacc 420
 atgtagtggg ctgtggctac aggaagctgg ttctgtctgc ttccacagtc tgcttaaaaa 480
 actgtctgac ttcgtgaata tagagaccaa gtttaccact tctgatgaag agaccaatta 540
 agattcattc ctcatctctg ttctttccag tgggagaaga gtcccatga aataagatga 600
 aactgattcc atgcactagt acatgtaggc ttctcccttg cgcaaagctt aacaatttgt 660
 aggaaacttt ggg 673

<210> 364
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13
 <223> n = A,T,C or G

<400> 364

```

ccaaatgttt gcncaagact agcagagttt ttcttttaaa cattctgtat gaaatatgtc 60
agactggggg acgggggatc tcttctaatt cattgttttt cttttaaaca ttgtgcacaa 120
gcttatattc acatagaaag catatacatc ttataaatca cagacttttt ttttaagtagt 180
actccagttt atcagctcat tttacacaca tatttaggca acagaatgta taaatctacc 240
gcaatacaga ggacacacta tccagaaaag aatgaacaaa gaacaggctg ttgcaaaaat 300
atttagtccc tttacacata tagtcaaact tcattaatgc aaaaaatgta gtggttatta 360
aatgtctgaa agaatcagta tgtatgattg agattgttaa tctctgagta taacacatat 420
tggtcatctc agagttgttt tgttttaaag ccgtggtaga tgcttctctt taaatgtgca 480
tttttagaa actgg                                     495

```

<210> 365

<211> 291

<212> DNA

<213> Homo sapiens

<400> 365

```

aactgacaag cccttgcgcc tgcctctcca ggatgtctac aaaattgggtg gtattgggtac 60
tggtcctggt ggcccgagtg gagactgggtg ttctcaaacc cggtatgggtg gtcacctttg 120
ctccagtcaa cgttacaacg gaagtaaaat ctgtcgaaat gcaccatgaa gctttgagtg 180
aagctcttcc tggggacaat gtgggcttca atgtcaagaa tgtgtctgtc aaggatgttc 240
gtcgtggcaa cgttgctggt gacagcaaaa atgacccacc aatggaagca g 291

```

<210> 366

<211> 277

<212> DNA

<213> Homo sapiens

<400> 366

```

ctggatgggt cctcagaagg tgcattctgc ttctgcaggg gcttgaaaca ccaaggcact 60
ccagggatcc tggagtcaaa gcagcagccc cggttggtgc actccttggg ggtgacatgg 120
gggtagcccc cagtccaccc tgtccttggc tggcacggca cactggtttg cagacaggcc 180
cacgtactcc tcagcagagc tggaggacaa gcaaggccag gaccagcccc agcatgcaga 240
gcgctctggc agccatgacc accgtgggct ccggggac 277

```

<210> 367

<211> 311

<212> DNA

<213> Homo sapiens

<400> 367

```

ccagagctgc ggggcctcag tacacggagc tggtccggat gccacagcac agcaccatgc 60
tcaggatcat ctccaagatc atgatcacag cgaccacgat ggcagcaatg ccgatgaggt 120
acagcttccc ggagaagagg tcatcgatct tctggtggca gtcctccttg aagaggttgc 180
tgatgatggt gctgcccag ggacacaaat tgttcttgag cactgaggtg gtcaaagcag 240
tcagtgtgct ggagccacag cagtcaagcg tctcgtggaa ggtcttcacc acagccttgg 300
cgttgttggc g                                     311

```

<210> 368

<211> 384

<212> DNA

<213> Homo sapiens

<400> 368

```

ccaaaggggt ctctagctgc tgctctgctg ctctctgctca tggatgagtt tggcgatggg 60
gccggtgatg ccgcctatca aggtccagta ctcatcgaag ctgatgcgcc catcaggatt 120
ggcatccagg ttctggatga gcttatccgc agccttccgg ttccctgtgt ccgacagcat 180
gtggttcagc tctttctgga gcatctcgcg gaagctgctc ttgctgatct tgttcttgac 240
caggctgtac ctagacacat atttgtagaa gttttccacc aggacaatga ctgccttctc 300
cagctccgtg tagcaagtct gacatctccc tgcttcgcct gctggcgggg cctaaggcgg 360
gggccaagcc cagttacagc ccag                                     384

```

<210> 369

<211> 216

<212> DNA

<213> Homo sapiens

<400> 369

```

ccaagtgccca ggtggctttc agcagcttcc tacgatcagc cgaagaaagc agaagctctg 60
gaggctgccca tcgagaacct caatgaagcc aagaactatt ttgcaaagggt tgactgcaaa 120
gagcgcatca gggacgtcgt ttacttccag gccagactct accataacct ggggaagacc 180
caggagagga accggtgtgc gatgctcttc cggcag                                     216

```

<210> 370

<211> 561

<212> DNA

<213> Homo sapiens

<400> 370

```

ctggtctcctt cttttgtggt cgtttggggg atgggctggt ttgggggttta ggtgcagaga 60
atggtttggg gccactgctt actggaccac tctgagcctt cagggcaggg ttcttgtgag 120
tcttcatgtc atcagataca tgtttcaggg catgtgtaat gctctcccc tgattaatct 180
gcgcgaacag tgctgagcgg gaagcagact catctgagcc tgaactggta gagactggg 240
gaggaggggg gcctgggtgga gggggaggag gacctgatcc ggcagagggg ccagatggca 300
gtccgctcag ttcttttgcc acaggccccg ttttgcctca ggccagtccg gtggtatgga 360
actccttaat gtaagcctgc agctctgtcc atatacttaa ataagctttg acccagtcta 420
catgcttctt atccacatct ttgtactctt tgaggactcg gtttgtataa aacatggcgg 480
catcattcat ttctttcgca taagggccag gcttgggagc catagccacc cagcccaggg 540
cctggatact ttcgctgaca g                                     561

```

<210> 371

<211> 518

<212> DNA

<213> Homo sapiens

<400> 371

```

cccacttcca tcgctctctg gtgtgaggca cagcgagggc agcatctgga ggagctctgc 60
agcctccaca cctaccacga cctcccaggg ctgggctcag gaaaaaccag ccactgcttt 120
acaggacagg ggggttgaagc tgagccccgc ctacacccca ccccatgca ctcaaagatt 180
ggattttaca gctacttgca attcaaaatt cagaagaata aaaaatggga acatacagaa 240
ctctaaaaga tagacatcag aaattgttaa gttaagcttt ttcaaaaaat cagcaattcc 300
ccagcgtagt caagggtgga cactgcacgc tctggcatga tgggatggcg accgggcaag 360
ctttcttcct cgagatgctc tgctgcttga gagctattgc tttgttaaga tataaaaagg 420
ggtttctttt tgtctttctg taagggtggac ttccagcttt tgattgaaag tcctaggggtg 480
attctatttc tgctgtgatt tatctgctga aagctcag                                     518

```

<210> 372

<211> 335

<212> DNA
<213> Homo sapiens

<400> 372
ctggaggctg ggtgcaccct gccagatcc acacctgtac cccggcggaagggtcatgg 60
gcattgaaga cgggtggtgaa aaagccaaag ggaaaagcac caacaccaa tgagaagtgg 120
aagcccccg taccacaaa tggctggaat cccctctgc tctccggagc tggctctctgg 180
ccctgggggc ggggtggagt ttttaatctg ggatcctggg gcttctggct ccctcgccca 240
taaagcggga caaccttctc tctgctgatc ccagctttac atactggaca ctcttgccgt 300
tctggccgtg tctccagcca ctgatgaaga catgg 335

<210> 373
<211> 467
<212> DNA
<213> Homo sapiens

<400> 373
ccactagctg aatcttgaca tggaaggttt tagctaattgc caagtggaga tgcagaaaat 60
gctaagttag cttaggggct gtgcacagga actaaaaggc aggaaagtac taaatattgc 120
tgagagcatc caccocagga aggactttac cttccaggag ctccaaactg gcaccacccc 180
cagtgtcac atggctgact ttatctctcg tgttccattt ggcacagcaa gtggcagtgt 240
ctccaccacc tatgatgggt atgcagcccc tagaagtggc tttcaccacc tcatccatga 300
gagctttggg tccccgggca aaagcttccc attcaaatac cccacagga ccattccaca 360
caatctgctt agcccgagtg acagcctcag catacttctt gctgctttca ggaccacagt 420
ccaagcccat ccagccagca ggtacgccag aagccacagt ggcttgg 467

<210> 374
<211> 284
<212> DNA
<213> Homo sapiens

<400> 374
tttccgtaaa agcgtgtaac aagggtgtaa atatttataa ttttttatac ctgttgtgag 60
acccgagggg cggcggcgcg gttttttatg gtgacacaaa tgtatatattt gctaacagca 120
attccaggct cagtattgtg accgcggagc cacaggggac cccacgcaca ttccgttgcc 180
ttaccgatg gcttgtgacg cggagagaac cgattaaaac cgtttgagaa actcctccct 240
tgtctagccc tgtgttcgct gtggacgctg tagaggcagg ttgg 284

<210> 375
<211> 307
<212> DNA
<213> Homo sapiens

<400> 375
cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat 60
ttgatgactt ccgagaagca tattattggc tccgtcataa tactccagag gatgcgaagg 120
tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaattttag 180
tggacaataa cacatggaat aatacccata tttctcgagt agggcaggca atggcgtcca 240
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt 300
ttggagg 307

<210> 376
<211> 650
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7, 10, 13

<223> n = A,T,C or G

<400> 376

```
ccattgncn ctnacgtgat gtcacatcat gccagggtcat cttggcaaaa gtcggagcat 60
ttctcagtc ctgcaaagta gcccttctcg ttggagcacc ggaagagacg tgtgtgtttc 120
atgtactcgg catcgctcat atagggcttc tgtgccccaa tgcccaccca gaagaagtgc 180
tcaggctcct caccttcggt gataacctgc ttgctgtagg aggtgtcaaa catggtgttc 240
aggatgtctt ctgccaactt ggcttcgtca gggctctgat cccggcccac ccaggcatac 300
acgatgccct ggttgtcttc actctcaaag ggaaccttga ggatgaagca gaactcggag 360
ttgaggaggc tggagtcggg gttgatctgg atgcaccggg tgcagagggc gctgccgttg 420
gtgcggatct ggtagaggct gggctgttgg gcgccctgga ccgccttctt cttgccccgg 480
tggatgatga acttcctctt gaaatgggac aggaacttgg ggttctcctg ctgctgcgtc 540
atgcgtacca cctccagctt cccagggaag aggtctctga acttcttttg caggctgaag 600
gtgaagggtga cccaccata ttgggaggct ttcacggccc tgccagaagt 650
```

<210> 377

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 38

<223> n = A,T,C or G

<400> 377

```
tctagatgca tgctcgagcg gccgccagtg tgatgganat ctgcagaatt cgccttctga 60
gcggccgccc gggcagggtt ggggtgtgcc ttcacctgcc aggcccttcc ccgctagctt 120
ggggcgagca gagctgcgtc cagtggaaact aaagccgttc caggattatc aaaaactgag 180
cagcaacctt gggggacctg gatcatcacg gactccccca actggaaggt ctttctctgg 240
cctcaattcc cgtctcaagg ccacgccttc cacctacagt ggagtcttcc gcaccagcgc 300
cgtcga 306
```

<210> 378

<211> 199

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6

<223> n = A,T,C or G

<400> 378

```
ccacangtgg cacttgggtg tggctcctct gttatttgtc ctcatgtgag aaagcagatc 60
atctccaaat cttgccattt gtatactttt ggtggagact tggatgtcat atcttctttg 120
ttttgggttt tcttccctag cttattttgt ggcttttaaa gaagtggatt gtattgtgag 180
atcctgtgat tcctggtg 199
```

```
<220>
<221> misc feature
```

<222> 18, 20

<223> n = A,T,C or G

<400> 382

```
ctgagcagtt tgtgggtntn tcttcccga agtttcagga agtattcaca aaagaaaaat 60
acatTTTTTt ccccaggggt ggggcaagga cagtggagag agtgctagga aatgagtccc 120
ctgggaaagg ggaccgggccc gtgatgttaa atatctccgg ctcccaagtg actggatttg 180
cctaggacct tcagaccaac agacttcaga ccctcagacc tgccccgggg ccaggtggag 240
aaagtgaggg cagtacaagg aagtgaatt ctgagttgtt ggggctaagc ctgaccccct 300
ctccatgctc cccgccccaa cccactctgg cctcagtaga ttttttttct agttgtgggt 360
gttgcccagg ctggagtgca gtagcgccat ctgggtcac tgcacctcca cttccgggc 420
tcaagcgatt ctccagcctc agcctcctga gtagctagga ctgcaggtgc tccaccacgc 480
ccggctaatt tttgtatttt tagtagagat ggggtttccc catgttgg 528
```

<210> 383

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 321

<223> n = A,T,C or G

<400> 383

```
ccatnttgag tctactcctg cgtcttgtgc cctagcacc cgagaaccgt cagtttgagc 60
cagatggaag ctgagctgaa cacattacga tggatgatgg aaacataaga ctatcaagaa 120
atccaagtgg taatgggcga agtttattca gcatccggca atggacttat cgtagttggg 180
gaaacgggtg ttccgaataa tatcctggaa gtatcagga cacctatttt aaatataggc 240
ctgaattttg taaagtaata tttaagggtg tccgtgataa ttaaataaaa tgcttaattc 300
atgtggcgaa aaaaaaaaaa naaaaaaaaa aaaaaa 335
```

<210> 384

<211> 333

<212> DNA

<213> Homo sapiens

<400> 384

```
agtccaatac ggctattggg gttgtagcag ctttcagagg aaattagtg tctgggcttg 60
cctccagctc cccaggggca gcccagtag ctacactgtc cagacagcac aagaccaggc 120
tgggtgtcacg tccatccgag cgtgcctca gggatcgata aagtttcact gcagaaagtc 180
tccactgcgg tatgctgaca tctgcctga accttcaccc tacagcatta caggctttaa 240
tcagattctg ctggaaagac acaggctgat ccacgtgacc tcttctgcct tcactgggct 300
ggggtgatcc ttggtgcctt tgtttcaca agg 333
```

<210> 385

<211> 343

<212> DNA

<213> Homo sapiens

<400> 385

```
ctgtgacacc tcaggttgaa agggctcttc tccttgaaca cccaccgagg ggcttgagc 60
aacagccagc cgatatggac ttctagctgc accgggtcac tgagggtgga gaggtttgtc 120
tggcacctgt actctccact gtcgtcgact gtggcagcgt caatgaagta gtcgaggcc 180
```

Sequence of the gene

```

tggcttgaga tgaggctctc attgtgaaac cactgtgtgg aattgtcctc aggggagtag 240
gctccctggc acttcagagt cacactgtcc ttctcgagca ccctgtacca ttgagggtcc 300
aggaacacca cagcctttgg gagatcttca gtccgcatgc caa 343

```

<210> 386

<211> 244

<212> DNA

<213> Homo sapiens

<400> 386

```

tattctttga ttcttgga ataggtgaga gaactaatag caaccaggca actgaggacg 60
aagtcaaaaa gtcggtaaca gaagaatgga atcagccaac ccacttgata agaaattgct 120
ccataaacca gcattgaact gattataaac ataagaacag agacggcaaa aagaacacag 180
gcattatcag ccattctctc agacgaatag taattaccga tgacttcata ctgaatgttg 240
acag 244

```

<210> 387

<211> 504

<212> DNA

<213> Homo sapiens

<400> 387

```

atctggagtc cagcctcagg gatgcgctac ttccattct ctgcattgaa cattcgttct 60
gtcagcatcc gctccagctt cactgcatca gcggcaaaact tgcggatccc gtcagagagc 120
ttctccacag ccattctggc ctctgtgtgc aaccaacgga aagacttctc atccagggtg 180
atTTTTTcca ggtaactggc ttgggcccgc ttggctgaga gcacaggcac cagcttggcg 240
ttgtcctgca gcagctctcc caggagcttg ggtgggatgg tgaggaagtc acagccggcc 300
agtgtcttga tctcgcccgt gttgcggaag gaggcgccca tgacaatggg tttgtagcta 360
aacttcttgt agtagttgta gattttagt acactcttta cccaggggc ttccaggggc 420
tcataggatt tcttgctggg gtttgccaca tgccaatcaa ggatgcgccc aacaaatggg 480
gagatgaggg tcacaccgc ctcg 504

```

<210> 388

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 199, 210, 218, 231, 267, 271, 290, 330, 342, 383, 390, 395, 399, 405, 414

<223> n = A,T,C or G

<400> 388

```

gccaaagtgc tgcntgaatt ccactccctt ggTTTTcgcc tgcccagcgt tgctgtttgc 60
gtggaggggtg gggggagctc agtggcaggg aatcagcggc ccgtgggggc gtggggacgg 120
gaacatgtgc ccgaccgctc catccctcc tctccttag gatgcataac ctacctgtc 180
TTTTTTTTT taaattttnt ttccaggtan agtagctntt tgtacataaa naatacttga 240
aaaattaatt gtatgatgta tgaaaanaca nagtctccta gttttgtatn ttgtgtatg 300
actgccatga gttccaccaa aaagccactn tattttgggc tntgtgacat tttaaatgcg 360
tgacaaaagt gagcaataaa agngagggaan aaatntatnt atganataat atanattgta 420
ttgaaatcta aaaaaaaaaa aaaaaaaaaa 450

```

<210> 389

<211> 297
 <212> DNA
 <213> Homo sapiens

<400> 389
 cctgcacttg aacatggctt tggttttaag caacttctct accctgacct tcttcttggg 60
 acagcgtttc gggagggttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
 caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
 caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
 tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

<210> 390
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 390
 ctgggctgga gagttggtgc tggcaaaaca gtccttcccc tggggccggg tcttaccag 60
 gtccagagaa accaacggcg gatgtcagac ttcacaaaaa ggactttctg gttgccctg 120
 gctggcttcc tggaggcggt cgctctagt ttctcaggga tggagcgaga gccagccag 180
 agaacagtaa gaggagctgc tctctatct gcactcacc agg 223

<210> 391
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 391
 ctgaggaaga aatgaaaaaa gaccctgtcc ctcatggccc gccactggc ctctgtgaa 60
 ctctgtcctg ttgccaaccc cagatgaagt cagccaaaaa gtgctttcca catcctctct 120
 ctggggctgc ccagcctgac cgtaggggat ccaactggcag agccaagggt gatgctggtg 180
 cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggttctagaa 240
 ctcccagcag aacagaacgg aaaaggagct gattggggat agaatgagtt ctgctaaaca 300
 gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca 360
 ggtgg 365

<210> 392
 <211> 302
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28
 <223> n = A,T,C or G

<400> 392
 ccaagagcta caatgagcag cgcatacanga cagaacgtgc aggtttttga gttccagttg 60
 actgcagagg acatgaaagc catagatggc ctagacagaa atctccacta ttttaacagt 120
 gatagttttg ctagccaccc taattatcca tattcagatg aatattaaca tggagagctt 180
 tgcctgatgt ctaccagaag ccctgtgtgt ggatgggtgac gcagaggacg tctctatgcc 240
 ggtgactgga catatcacct ctacttaaat ccgtcctggt tagcgacttc agtcaactac 300
 ag 302

<210> 393
 <211> 213
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13, 19
 <223> n = A,T,C or G

<400> 393
 ccaataatca agnacaaana ctggatttga ggatggatca gttctgaaac agtttctttc 60
 tgaacacagag aaaatgtccc ctgaagacag agcaaaatgc tttggaaaga atgaggccat 120
 acaggcagcc catgatgccg tggcacagga aggccaatgt cgggtagatg acaaggtgaa 180
 tttccatttt attctgttta acaacgtgga tgg 213

<210> 394
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 394
 cctaccata atccagagag gcttgcccag aggaggacta cgtggggggac gtgccaccag 60
 aaccctactt gggggcgggg tgtcactccg aggtcaaaac ctgctccgag gtggacgagc 120
 cgtagctccc cgaatgggct taagaagagg tgggtgttcga ggctcgtggag gtcctgggag 180
 agggggccta gggcgtggag ctatgggtcg tggcggaatc ggtggtagag gtcgggggat 240
 gataggtcgg ggaagagggg gctttggagg ccgaggccga ggccgtggac gagggagagg 300
 tgcccttgct cgccctgtat tgaccaagga gcag 334

<210> 395
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 395
 ccagatgagg aaaaaaatta ggaaggagat gaagttttcc aaatttcatg gtatatgctg 60
 cacttcccca accttactc tccatgtagc ctactgggtc tactattcca caaagtggct 120
 caacctccaa atgacctctg gtttaccctt attaaatcc caaaggactt tcag 174

<210> 396
 <211> 140
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 20
 <223> n = A,T,C or G

<400> 396
 ctgcaaagcc ttgtgtaacn ttctccagca tttggaccca gtacgtgaaa gccacaaca 60
 cgttcattgt ctttagtatt acagattatt tttgcataac atttggtggt atctcttgac 120
 ggaatcgtec attccaatgg 140

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<210> 397
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 397
 cctcgcctgg agggcccccg ggcagcacag ggaggacgag cttgtccagc agaggggtctg 60
 gcagaggggtc ccgcagaggt ttgggcaggg ggtctgacat cctgggctcc tgctctggct 120
 ctggctgccg ggatttgac aggccaggt gcatacagat gccgtttgag tcagtctggg 180
 tctggaagta gtcgatgacc agggggaagt agtcgtcaag cacttggttg cactggggca 240
 tgagcagctt caaggggagg acgttgccact cctgctccag gaacttcctc atcgtgtcct 300
 ggaaatggc ctccttgg 318

<210> 398
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5
 <223> n = A,T,C or G

<400> 398
 ccttntctcg ccatccattc atcgaccctc tccagcactt gctgcaggct tggctgacca 60
 tccaccatgg cttgaataat cccggtgagc tctgtacaga atggggtaag ctgtggatgg 120
 actacaggct ggacatacat gtgaaaggta gactcaatct ccatggtccg gccatttagc 180
 tttaggatgg ggaactcgat gatttcctga ggatgaatct gtggcttgct gcacgtggcc 240
 tcaaagtcca gcactaaaaa gtagtgatac ctctggagag ggaaggacac cattgccgcc 300
 atggatgcgc caaagccgtg ggccgccagc tttctgggtg atatggagca gaactccgga 360
 acaccacagg gagaaaataa gtgggagccc agcacttttc ttgctcttga aagtaaatac 420
 gaagaaaatc gagctgctcc agtctgtaaa ggtgctagca ttgaacatcc agaagcatct 480
 aaaactctcc ttacttcgaa gatgccaaga cgggcag 517

<210> 399
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 399
 ccaacctcag gcaacgggtg gagcagtttg ccagggcctt ccccatgcct ggttttgatg 60
 agcattgaag gcacctggga aatgaggccc acagactcaa agttactctc cttcccccta 120
 cctggggcag tgaaatagaa agcctttcta ttttttggtg cgggagggaa gacctctcac 180
 ttaggccaag agccaggat agtctccctt ccagaattt gtaactgaga agatcttttc 240
 tttttccttt tttcggtaac aagacttaga aggagggcc aggcactttc tgtttgaacc 300
 cctgtcatga tcacagtgtc agagacgcg 329

<210> 400
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 400
 ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60

```
<210> 401
<211> 180
<212> DNA
<213> Homo sapiens
```

```
<210> 402
<211> 385
<212> DNA
<213> Homo sapiens
```

```
<210> 403
<211> 440
<212> DNA
<213> Homo sapiens
```

<400>	403						
ctgtttaacc	agnaaccg	ggggtcaccc	cccacagaat	gtacatgaaa	cactagagga	60	
ctgcatgttt	tccctgaga	gaagcgtaag	acaaacagaa	gtcaaaaagt	agtcactggg	120	
agcgccatcc	ttctaagcaa	atcctccctt	tcccttttg	aggatttgcc	cgaactacgt	180	
agccagtcag	cacttagacc	acctgcctcc	ccccccct	ataaacccac	cactcccctc	240	
ctcctttccc	aaaccacttg	gggtgtccta	agccctcact	gccccaaagg	caaaatatca	300	
gctaagatcc	ttgtcagtat	ttccacagtc	atacctaata	aattgggaag	tggggccctt	360	
aaaaaccaat	tcacatctat	gcacttggtt	ccactggatt	tggcagacag	gcttttttag	420	
ttaccgtaac	cagatcttaa					440	

<211> 239
 <212> DNA
 <213> Homo sapiens

<400> 404
 cctacgaaaa actcccggcc ggtgaagaga acgtcagtgc catccagcgt cgcgttctcg 60
 tctcctatatt ccacaattcg gagccccagg tcttgagggg ctttgccggac tccatcgacc 120
 tctggcctac gagcggggct ccagggccgc gtgattaggg ccgtgtcccc ttggatcacg 180
 gccgtgtcgc caagcagcgg tcccagcggc aatgactcct caggtggcag ttctagcag 239

<210> 405
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 405
 ctggagaggc agcccttcac cggatgccca gctccgtgcc cctgcggggc ccagcacagt 60
 ttacctttctc cccccacggc ggtcccatct actctgtgag ctgttccccc ttccacagga 120
 atctcttctc gagcgtctgg actgacgggc atgtccacct gtactccatg ctgcaggccc 180
 ctcccttgac ttcgctgcag ctctccctca agtatctgtt tgcgtgtcgc tgggtccccag 240
 tgccggccctt ggtttttgca g 261

<210> 406
 <211> 641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13
 <223> n = A,T,C or G

<400> 406
 ctgctcccgg gentggtggc agcaagtaga catcgggcct gtgcagggcc acccccttgg 60
 gccgggagat ggtctgcttc agtggcgagg gcaggctctg gtgggtcacg gtgcacgtga 120
 acctctcccc ggaattccag tcatcctcgc agatgctggc ctacccacg gcgctgaaag 180
 tggcattggg gtggctctcg gagatgttgg tgtgggtttt cacagcttcg ccattctggc 240
 ggggccagga gatggtcacg ctgtcatagg tggtcaggtc tgtgaccagg caggtcaact 300
 tgggtggactt ggtgaggaag atgctggcaa aggatggggg gatggcgaag acccggtatg 360
 ctgtgtcttg atcggggaca cacatggagg acgcattctg ctggaaggtc agggccctgt 420
 gatccacgcg gcagggtgaac atgctctggc tgagccagtc gctctctttg atggtcagtg 480
 tgctggtcac cttgtaggtc gtgggcccag actctttggc ctccagcctgc acctgggtccg 540
 tggtgacgcc agaccccacc tgcttccctc cgcgcagcca ggacacctga atctgccggg 600
 gactgaaacc cgtggcctgg cagatgagct tggacttgcg g 641

<210> 407
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 407
 ccaggtagctg gcacaatcat gtctggatgg ggggtggtgg gtccctgtagg cagagaaaaca 60
 ggaaattgtc gtagtcagta tcgagcagcg tggcctcggt cgcacccgta tagttgatct 120
 tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag 173

<210> 408
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 408
 ccactgtctg cagccatggc agaaagtgtc caaagtccag caccttcaca ttcattctcat 60
 cactcttggg gttccccagg accttgagca cctcggcgtt ggtaggggtc tggcccaggg 120
 cctcatcac atccccacac tggctgtaca ggatcttgcc atcac 165

<210> 409
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 409
 ctgtagcttc tgtgggactt ccactgtctc ggcgtcaggc tcagatagct gctggccgcg 60
 tacttgttgt tgctttgttt ggagggtgtg gtggtctcca ctccgcctt gacggggctg 120
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacctat gagacacacc 180
 agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
 gcagccttgg gctgaccaag gacggtcagc ttggtccctc cgccaaatac cgccggataa 300
 gcaccactgt tgtctgctga ttgacagaa 329

<210> 410
 <211> 235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8
 <223> n = A,T,C or G

<400> 410
 ccatacagnga gaaagggtgtt tgctcagttgt ttcacaaacc agattgagga ggacaaactg 60
 ctctgccaat ttctggattt ctttattttc agcaaacact ttctttaag cttgactgtg 120
 tgggcactca tccaagtgat gaataatcat caagggttg ttgcttgtct tggatttata 180
 tagagctttt tcatatgtct gagtccagat gagttggtca ccccaacctc tggag 235

<210> 411
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 411
 aattaaggga agatgaagat gataaaacag ttttggatct tgctgtggtt ttgtttgaaa 60
 cagcaacgct tcggtcaggg tatcttttac cagacactaa agcatatgga gatagaatag 120
 aaagaatgct tcgcctcagt ttgaacattg accctgatgc aaagggtgga gaagagcctg 180
 aagaagaacc tgaagagaca gcagaagaca caacagaaga cacagagcaa gacgaagatg 240
 aagaaatgga tgttggaaca gatgaagaag aagaaacagc aaaggaatct acag 294

<210> 412
 <211> 433

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 135, 138, 153, 162, 187, 206, 208, 212, 214, 219, 224, 237,
254, 271, 295, 303, 330, 336, 348, 358, 364, 367, 375, 394,
433
<223> n = A,T,C or G

<400> 412
cctgagaagc cagaggcagg tggagagggg gtggaaagtg agcagcgggc tgggctggag 60
ccgcacacgc tctcctccca tgtaaataag cacctttaga aaaattcaca agtccccatc 120
cacaaaaaaa aaaanaanaa aaatttcagg gantaaaaat anactttgaa caaaaaggaa 180
catttgntgg cctggggggg catctnantt tntntagcnc cagngattcc ctccccnccc 240
caccatcac ataatgttaa cacctttggt ntaaaatggg gagccgtttc caccntgccc 300
ccntccccgc ccccaggcag ttgccccggn gacacntcaa gacaggancg aggtagtntt 360
tcancancac agttncacaa ggaacagaac agtntctccc gccagccct gcggcacaag 420
ggattgacac gcn 433

<210> 413
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 17
<223> n = A,T,C or G

<400> 413
ccttatttct cttgtcnctt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtctgat ccaacatcga ggctgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctggt atccctaggg taacttgttc cgttggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggagggt gggttctgct ccgaggctgc cccaaccgaa atttttaatg cagggttggt 360
agtttaggac ctgtggggtt gtaggtact gtttgatta ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt tatgcccgc tcttcacggg cagggtcaatt tcaactggtta 480
aaagtaagag acag 494

<210> 414
<211> 294
<212> DNA
<213> Homo sapiens

<400> 414
ctgggcggat agcaccgggc atattttgga atggatgagg tctggcacc ctagcagtc 60
agcaggact tggctctagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120
gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180
ttacagggtt gggaacagct cgtacacctg ccattctctg catatactgg ttagtgaggt 240
gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcctt gtgg 294

<210> 415

<211> 421
 <212> DNA
 <213> Homo sapiens

<400> 415
 ccttgccct gccctccac gaatggttaa tatatatgta gatatatatt ttagcagtga 60
 cattcccaga gagccccaga gctctcaagc tcctttctgt caggggtggg ggttcagcct 120
 gtctgtcac ctctgaggtg cctgctggca tcctctccc catgcttact aatacattcc 180
 cttccccata gccatcaaaa ctggaccaac tggcctcttc ctttccctg ggacaaaaat 240
 ttaggggct cagtccctca ccgccatgcc ctggcctatt ctgtctctcc ttcttcccc 300
 tggcctgttc tgtctctgag ctctgtgtcc tccgttcatt ccatggctgg gagtcactga 360
 tgctgcctct gccttctgat gctggactgg ccttgcttct acaagtatgc ttctcccaca 420
 g 421

<210> 416
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 17
 <223> n = A,T,C or G

<400> 416
 ccactttctt tcccacnctg gaaggcgga tctatgactt cattggggag ttcatgaagg 60
 ccagcgtgga tgtggcagac ctgataggtc taaaccttgt catgtcccgg aatgccggca 120
 agggagagta caagatcatg gttgctgccc tgggctgggc cactgctgag cttattatgt 180
 cccgctgcac tcccctatgg gtcggagccc ggggcattga gtttgactgg aagtacatcc 240
 agatgagcat agactccaac atcagtctgg tccattacat cgtcgcgtct gctcaggtct 300
 ggatgataac acgctatgat ctgtaccaca ccttccggcc gg 342

<210> 417
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 417
 tattaattag gttcttaaga catttagaac accaatttgt gaggataaat tccattcgtc 60
 agagcaaaca cagatcgag gtagccctgg agctgaggaa tagctttgat ttttggtaaa 120
 atttgtgagt ccacagcttt ctgatcaatc ttgcgctgct ccgtaatctc atatttctct 180
 ttttctgtgt cgaagatctc accttctgg tgtctgggct tccgcagctt cttcttcttg 240
 aagtaagcat cagtaagatg ttttgggatt ttacattgc tgatctgat tttggttgaa 300
 gtggcaatga caaatttctg gtgtgttctt cgtagaggaa ctcgattgag gaccagaggt 360
 ccagtcacaa gtaataagcc actagccag 389

<210> 418
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 418
 gtgggagggg gccaggttg gatggaggga gtttacagga agcagacagg gccaacgtcg 60
 aagccgaatt cctggtctgg ggcaccaacg tccaaggggg ccacatcgat gatgggcagg 120

136

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cgggaggtct tgggtggttt gtattcaatc actgtcttgc cccaggctcc ggtgtgactc 180
gtgcagccat cgacagtga cgtgtaggtg aagcggctgt tgccctcggc gcggatctcg 240
atctcgttgg agccctggag gagcagggcc ttcttgaggt tgccagtctg ctggtccatg 300
taggccacgc tgtttttgca gtggtaggtg atgttctggg agg 343

```

<210> 419

<211> 255

<212> DNA

<213> Homo sapiens

<400> 419

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cctagcaaga gaatcaccaa atttatggag agttaacagg ggtttaacag gaaggaagtg 60
ccttttagtaa gttctcaagc cagaggctgg aggcagcagc taaatcagag gacagcatcc 120
tcagtgaag tgagccattc ggggtggcat gtcactccag gaataaacac aacttagaaa 180
caaagtattt cgtaggatag cacagtga ca tggtgactg tgaacctgag gccactgtgt 240
caaactgtgc actgg 255

```

<210> 420

<211> 261

<212> DNA

<213> Homo sapiens

<400> 420

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cttctgatga taaccaaccc ctagctacca ctctgtattc atcaggggag ggggtataaac 60
cccacatgca agaagaaccc ttgccccag tgcaaatgg gatggggatg ctagagttat 120
agtaaagggg aaaccctatg taagctgtta acagagttca caggggtagg gataaccctt 180
gttctccagc tcccaaatgt gtcactttc ccagcttctt catccgttca tcaatgctgg 240
caaagtcccc ctcaactgtg g 261

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<210> 421

<211> 179

<212> DNA

<213> Homo sapiens

<400> 421

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ccttcctggt gttgtttcaa atgctgcttg atttctcgta acagatctgc atctatgtaa 60
tacctttctt cagatctgac tgctccaaa tgattctgca tcctgatttg agacatcaat 120
tcatttagtc ggcccttgaa ctgagtaggt gcatttagtt caccctgaat cgtatccag 179

```

<210> 422

<211> 424

<212> DNA

<213> Homo sapiens

<400> 422

```

cgagggtccaa atctgatctg cagatgcaga agattcgaca gaagctgcag actaaacagg 60
ctgccatgga gaggtctgga aaagctaagc aactgcgagc acttaggaaa tacgggaaga 120
agggtcgaac ggaggttctt cagaagaggc agcaggagaa agcccatatg atgaatgcta 180
ttaagaaata tcagaaaggc ttctctgata aactggattt ccttgaggga gatcagaaac 240
ctctggcaca gcacaagaag gcaggagcca aaggccagca gatgaggaag gggcccagtg 300
ctaaacgacg gtataaaaac cagaagtttg gttttggtgg aaagaagaaa ggctcaaagt 360
ggaacactcg ggagagctat gatgatgtat ctagcttccg ggccaagaca gctcatggca 420
gagg 424

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<210> 423
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 423
 ctgtggccta gggctacctc aagactcacc tcctccttac cgcacattta aggcgccatt 60
 gcttttgga gactggaaaa gggaagggtga ctgaaggctg tcaggattct tcaaggagaa 120
 tgaatactgg gaatcaagac aagactatac cttatccata ggcgcagggtg cacaggggga 180
 ggccataaag atcaaacaatg catggatggg tcctcacgca gacacacca cagaaggaca 240
 ctacgctgtg cacgcg 256

<210> 424
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 424
 ccagccgcat gggagtggag gcagtcacg ccttgctaga ggccaccccg gacacccag 60
 cttgcgtcgt gtcactgaac gggaaccacg ccgtgcgcct gccgctgatg gaggcgtgc 120
 agatgactca ggatgtgcag aaggcgatgg acgagaggag atttcaagat gcggttcgac 180
 tccgagggag gagctttgag ggcaacctga acacctaca gcgacttgcc atcaagctgc 240
 cggatgatca gatcccaaag accaattgca acgtagctgt catcaacgtg ggggcacccg 300
 cggctgggat gaacgcggcc gtacgctcag 330

<210> 425
 <211> 333
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 12, 124, 133, 145, 152, 244, 249, 254, 263, 307
 <223> n = A,T,C or G

<400> 425
 ctgctccatg gnetcaaagt cagcaccacc cacaccaca atgatcactg acatgggcag 60
 gtctgaggca cgcaccacag cctcacgtgt ggcttcaca tccgtcacag caccatcagt 120
 cagnagaaac agnatgaagt attgngaggc antcccctga tgtgcagcct gggctgcaaa 180
 cctggacctg cccgggcggc cgctcgaaag ggcgaaattc agcacaactg cggccgttac 240
 tagnggatnc agantcggg acnaagcttg gcagtaatca tggatcatagc tgtttcctgt 300
 gagcggtgtg gatgaacgag gccgtacgct cat 333

<210> 426
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 346
 <223> n = A,T,C or G

<400> 426

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gggtgttcat catgaggatt gcttctgcc a tggagctgat ggacgtgggc aggttgctga 60
gaaggtgggg tggaggtgag tgccgggggt gggtagtg cctgggtcttg ttcataagggg 120
agcctttccc tagcagtgga acgctgtggt ctttttctct agcatattcc cttgggaagt 180
ctagatttgc tattaatctg gctgagaatc taagtctctg gccttagaga cagtttgac 240
tttcccatat tgtgcctggg acagccatat gatttttttt cccaccaaac aagtatgcaa 300
acagaaacca gttcaaaggg ggatgggtga aaagatgagg cagtanaaat gcctttgaat 360
ggttttctgt agctaattct ctttaaattt tgtcctgctt tttttcttta t 411

```

<210> 427

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 136

<223> n = A,T,C or G

<400> 427

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acgtgtacaa gtttgaactg gatacctctg aaagaaagat tgaatttgac tctgcctctg 60
gcacctacac tcttacttta atcattggag atgccacttt gaagaacca atcctctgga 120
atgtggctga tgtggncatc aagttccctg aggaagaagc tccctcgact gtcttgtccc 180
agaacctttt cactccaaaa caggaaatc agcacctgtt ccgcgagcct gagaagaggc 240
ccccaccgt ggtgtccaat acattcactg cctgatacct ctgcgcgttg cttctgctct 300
tcgctctgtg gatccggatt ggtgccaatg tctccaactt cacttttgct cctagcacga 360
ttatatattca cctgggacat gctgctatgc tgggactcat gtatgtctac tggactcagc 420
tcaacatgtt ccagaccttg aagtacctgg 450

```

<210> 428

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 133, 181, 246, 264, 280, 290, 300, 325, 360, 362, 374

<223> n = A,T,C or G

<400> 428

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cagggctata gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatggtg 60
acttcttggg agtgggggac caccaggttg cctaaggagg ggtgaacctg cctacgttgg 120
aaatagagct ggncaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc 180
nccgcctcc agcatgggca acataacaag accctgcctc ttaaagataa aaattggaaa 240
acactngtag gaaaaaaagg gtgnttggtc taaataaatn tggattgggn ataatgacn 300
caaaactatc atgaatttga aagcntttct aatttcttga aagtctgaaa aaagttaaan 360
cncaatttta tctnaaa 377

```

<210> 429

<211> 206

<212> DNA

<213> Homo sapiens

<400> 429

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gttgctcctc caaagaaggt tggcttcaag gccgtgtcca gggacccacg agcagaggca 60

```

139

ctggggggca agggatctcc aaggggggcaa gggatcccta aagggggtag ctcacaggtg 120
 aggggggtta gggccccctct agggagcgcc tgaggccata cattcaagag tgtccctggt 180
 gaggcccagg gaagagccag gactgg 206

<210> 430

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9, 329, 335, 363, 448

<223> n = A,T,C or G

<400> 430

ccttatttnt cttgtccttt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtagtaaac cctattgttg 180
 atatggactc tagaatagga ttgcgctggt atccctaggg taacttggtc cgttggtcaa 240
 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
 ctcgaggtt ggggttctgct ccgaggtcnc cccanccgaa atttttaatg cagggttggt 360
 agtnnaggac ctgtgggttt gttaggtact ggggtgcatta ataaattaaa gctccatagg 420
 gtcttctcgt cttgctgtgt tatgcccncc tcttcacggg cagggtcaatt tca 473

<210> 431

<211> 215

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 15

<223> n = A,T,C or G

<400> 431

cctgtatnaa gctanaaaaa gactaccagc ccgggatcac cttcatcgtg gtgcagaaga 60
 ggcaccacac ccggctcttc tgcactgaca agaacgagcg ggttgggaaa agtggaaca 120
 ttccagcagg cagactgtg gacacgaaaa tcaccacccc caccgagttc gacttctacc 180
 tgtgtagtca cgctggcatc caggggacaa gcagg 215

<210> 432

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 377

<223> n = A,T,C or G

<400> 432

ccagcactgc cacaaacttt ttcagggcca ccaggcgctg cccttccagg accgggaacc 60
 tgcccacttc tatccgcagg atgtagtga gtgcagattc caggtcagcc atgtagatcc 120
 tggagcgatc tgccaatttc caaacagtgg gagctatctt gtttagcagt gttggtgcaa 180


```
<210> 433
<211> 420
<212> DNA
<213> Homo sapiens
```

<400>	433						
ctgtagcttc	tgtgggactt	ccactgctca	ggcgtcaggc	tcagatagct	gctggctgcg	60	
tacttgttgt	tgctttgttt	ggaggggtgtg	gtggctctcca	ctccgcctt	gacggggctg	120	
ctatctgcct	tccaggccac	tgtcacggct	ccgggtaga	agtcacttat	gagacacacc	180	
agtgtggcct	tgttggttg	aagctcctca	gaggagggcg	ggaacagagt	gaccgagggg	240	
gcagccttgg	gctgacgtag	gacggttagt	ttggnccctc	cgccgaatgc	cgcanttcta	300	
ctgtcccaca	cctgacagta	atagtcancc	tcattcttcg	cttgggctct	gctgatggtc	360	
aggggtggccc	gtgntccccg	agttggagcc	agggaatcnc	tcagggatec	canagggccn	420	

```
<210> 434
<211> 239
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 8, 199, 236  
<223> n = A,T,C or G
```

<400>	434						
ccaaccanga	gagaagggat	cgccctggtgc	ccagggccca	ccaggagctc	caggcccaact	60	
tgggttgact	gggtagctc	gagcacgggg	tcttgagga	ccaccaggca	tgccaggtcc	120	
tatggggaagc	cctggccctc	agggtgtcaa	gggtgaaagt	gggaaaccag	gagctaacgg	180	
cttcadgtga	gaacgtqqnc	cccctggacc	ccagggtctt	cctggtctgg	ctgqtncaq	239	

```
<210> 435
<211> 415
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 78, 225, 228, 276, 328, 330, 339, 352, 378, 387, 405, 415  
<223> n = A,T,C or G
```

<400> 435
ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
tatgtatgtg gaatccanaa ctcaagtgaqt gcaaacgcga gtgacccagt caccctggat 120

```

gtcctctatg ggccggacac ccccatcatt tccccccag actcgtctta ctttcggga 180
gcaaacctca acctctcctg ccaactcgcc tctaaccat cccncanta ttcttgccgt 240
atcaatggga taccgcagca acacacacaa gttctnttta tcgccaaaat cagccaaat 300
aataacggga cctatgcctg tttagggnn taacttgnt actggccgca anaattccat 360
agtcaagagc atcacagnct ctgcatntgg aacttctcct ggctntcaga cctgn 415

```

<210> 436

<211> 152

<212> DNA

<213> Homo sapiens

<400> 436

```

ccaggattga caggccatcc attcacagcc aggagatgct gggccagtcc ctccaagagg 60
tctccgtcat ggcagtgatg aaaacctaac aggggtggccc cctgtgccag ctcaggtgac 120
tggagcccga gggcctgaca ggttcccagc ag 152

```

<210> 437

<211> 174

<212> DNA

<213> Homo sapiens

<400> 437

```

ccaggctactg gcacatcatg ctctggatgg ggggtgggtgt gtcctgtaag cagagaaaaca 60
ggaaattgtc gtagtcagta tcgagcagct gtggcctcgt tcgccaccgt atagttgatc 120
ttgaacttct ttggattctc agtcttctct ccaaggacct tcttctcaac acag 174

```

<210> 438

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 324, 371, 393, 412, 419

<223> n = A,T,C or G

<400> 438

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ccacggccct ctcgccctc tcgctgggag cggagcagcg aacagaatcc atcattcacc 60
gggctctcta ctatgacttg atcagcagcc cagacatcca tggtagctat aaggagctcc 120
ttgacacggt caccgcccc cagaagaacc tcaagagtgc ctcccgatc gtctttgaga 180
agaagctgcg cataaaatcc agctttgttg cacctctgga aaagtcatat gggaccaggc 240
ccagagtcct gacgggcaac cctcgcttg acctgcaaga gatcaacaac tgggtgcagg 300
cgcagatgaa aggggaagctc gccnggtcca caaaggaaat tcccgatgag atcagcattc 360
tccttctcgg ngtggcgac ttcaaggggc agngggtaac aaagtttgac tncagaaaang 420
acttccctcg aggatttcta cttggatgaa gagaggaccg tgagggtccc catgatgtcg 480
gaccc 485

```

<210> 439

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 146, 268

<223> n = A,T,C or G

<400> 439

```

gggccgtctt cccctccatc gtggggcgcc ccaggcacca gggcagtgat ggtgggcatg 60
ggtcagaagg attcctatgt gggcgacgag gccagagca agagaggcat cctcaccctg 120
aagtacccca tcgagcacgg catcgncacc aactgggacg acatggagaa aatctggcac 180
cacaccttct acaatgagct gcgtgtggct cccgaggagc acccctgtct gctgaccgag 240
gccccctga accccaaggc caaccgcgag aagatgacct agatcatgtt tgagaccttc 300
agcaccacag ccatgta                                     317

```

<210> 440

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4

<223> n = A,T,C or G

<400> 440

```

ccanaaagac ttcccaggga agatgcttgg ctctctgctc caaggtgggc catggtatag 60
ggccctcgaa gggcttgttg ctgggggtgat cccagggggc attgctcaaa gtgcacagga 120
ggtggcgagca gggtcaggcg agttcctgtt ccaggggacat caggagggag ggtagaagcc 180
tagggagtggt gcgaggctgc tgggatgagg gagctcaggg gctaccagct aaccagcctc 240
agctcaatgg tttctccatc cttgggtctg tagtcagcaa taccttgcaa cagtgggggtg 300
ttgggggtctc ggagaagctg ccagaactcc ctttctcc                                     338

```

<210> 441

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 186, 246, 321, 330, 403, 404, 406, 416, 445, 459, 481, 484

<223> n = A,T,C or G

<400> 441

```

ccacacagan tcaccaagcc acagacttgt cttccacaag cacgttctta tcttagccac 60
gaagtgacca agccacacgt actaaagggt gaactcaaag atatgtacag ggtattaaac 120
aaataccaag gggaacagtt aacttcaata caaggtcgaa atcagcaaca agttctacaa 180
tccagncttg atatcagata caagcttcaa ggacaatttc tttcgaagg cttattccag 240
tttcgngagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300
acccatgcag caaatgctac ncatgggtgc gagtccgttt agaagcattt gcggtggacg 360
atggaggggg ccgactcgtc ttactcctgc ttgctaatac acnngngctg gaaggnggac 420
agtgaaggcca cggatggagc caccnatcca caccgagtnc ttgcgctctg ggggtgcatg 480
natnttgatc ttcattggtg tgggc                                     505

```

<210> 442

<211> 386

<212> DNA

143

<213> Homo sapiens

<220>

<221> misc_feature

<222> 331, 369

<223> n = A,T,C or G

<400> 442

```
cgccagggtga tacctccgcc ggtgacccag gggctctgcg acacaaggag tctgcatgtc 60
taagtgctag acatgctcag ctttgtggat acgcggactt tggtgctgct tgcagtaacc 120
ttatgcctag caacatgcca atctttacaa gaggaaccg taagaaaggg cccagccgga 180
gatagaggac cacgtggaga aaggggtcca ccaggccccc caggcagaga tggatgaagat 240
ggtcccacag gccctcctgg tccacctggg cctcctggcc cccctgggtc cgatgggaac 300
tttgcctgctc agtatgatgg aaaaggaggg nggacttggc cctggaccaaa tgggcttaac 360
gggacctana ggcccacctg gtgcag 386
```

<210> 443

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 241, 306, 311, 328, 339, 362, 372, 385

<223> n = A,T,C or G

<400> 443

```
cctccctctc agagcttgcc ccagggactc tctggccctc agggttcaat gtattctgac 60
caaggccaag ctttctctgg gctcagggaa aatcacactt tgctacccga agctgtatcc 120
cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc 180
ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
ngatgcagcc tctgtgaaca ggtgcctgga ggctgggaaa tgaccctgag agggcaggac 300
acagcnaccg ngggcttaag gtgagggngg agagcaagnt tggcccaactt tacaattcta 360
gntcagagcc ancccctaac atggnnggca tttattcatt tcgg 404
```

<210> 444

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 58, 69, 87, 195, 250, 275, 286, 302, 305, 317

<223> n = A,T,C or G

<400> 444

```
catgggctat agtgcgctat gttgatctgg tgttcattgct aagttccgca tcaatatngc 60
gacttcttng gagtggggga ccaccangtt gcctaaggag gggatgaacct gcctacgttg 120
gaaatagagc tgggtcaaac tcctgtgctc atcagtagta gaattgcacc tgtgaatagc 180
cacgcgctc cagcntgggc aacatagcaa gaccctgcct cttaagataa aaattggaaa 240
acactggtan gaaaaaaagg ctgtttggtc taaanaagtc tggatngggg ataaatgaca 300
cnaancatc atgactnt 318
```

<210> 445

<211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 288, 354, 375, 387, 389, 400
 <223> n = A,T,C or G

<400> 445
 ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag 60
 cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat 120
 aggtgccaaa tcccaggaca ggcattgaagt gaccatcatt cagcttcaca cactgatatt 180
 tcgaatccat ttctgtcact agcctggctg gcaaattgtt ctttcttctt ccctcacagg 240
 ctataagagc aatgagctgg caacgccccct gagcacactg tctgctgntt aaccaatggc 300
 atgtgagagg agggacagag gcagttcttac acaagctgtg ataaaaattg catncagttc 360
 aaccagtttc ttacnttatt ctaatgngna ggaagtgtgn gaagagcaca aagtcaga 418

<210> 446
 <211> 361
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 78, 89, 148, 193, 201, 253, 259, 265, 288, 290, 292,
 298, 318, 342, 343, 346, 354
 <223> n = A,T,C or G

<400> 446
 ctgtccaatn acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc 60
 tatgagtgtg gaatccanaa cgaattaant gttgaccaca gcgacccagt catcctgaat 120
 gtcctctatg gccagacga cccacacntt tccccctcat acacctatta ccgtccaggg 180
 gtgaacctca gentctcctg ncatgcagcc tctaaccacac ctgcacagta tccttggctg 240
 attgatggga acntccagna acacnacaca agagctcttt atctccancn tnactganaa 300
 gaacagcgcg actctatncc ttccaggggg ggggggtggg gnntgnggac cttncggggc 360
 c 361

<210> 447
 <211> 321
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7, 9, 105, 121, 192, 202, 213, 299, 301, 305
 <223> n = A,T,C or G

<400> 447
 ccagganant gggtccccaaggaggacctc acccgccccg agctctggag ccgctgacgc 60
 tcgcatccag gacatttgag atgggaatcc aaataggcta cttgnaaaaag acgtgctgca 120
 ngcagccctg gagagactca tggagttcat tgtacattac tccatctacc gaggcagcgc 180
 atggcatgac tnaacggctt gnaacaaaca canaaattac caccacaaac attcaggaac 240
 caaatataat ctgctatggt cacaccacag acaatgcagg aagaggcttt ttattgctng 300

ngtgngtttt caaatcatgt t

321

<210> 448

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 107, 222, 251, 296, 301, 325

<223> n = A,T,C or G

<400> 448

```
ccagcttcaa ctttttagta tagaagatac aggatcacaa aaaggagact acgctttgca 60
aacatagcat caaaattcaa cttttctctt tgcagtttat ccatggngtc agcatacctt 120
gcaagggaag ctacttacat caaataactt ttctatatac atttcctcat tgaccttttc 180
tcaaagaata tcttggtttt gccgaacaaa cataatatag gngtctgcca gatccattcc 240
tggtttctgt ngtgaaggaa aagcaggggg aacaaaataa tatcagggtc tcaatngtga 300
nattattatt taatcatacc ctgan 325
```

<210> 449

<211> 123

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 69, 70

<223> n = A,T,C or G

<400> 449

```
cattaatntt ggaagcgatg gtgtggatta catcagtgtt agggcatggt gtggatatta 60
ttacattann attggaagcg atgggtgtga ttacatcagt gatagggcac ggtgtggata 120
tta 123
```

<210> 450

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 241, 257, 323, 325, 328

<223> n = A,T,C or G

<400> 450

```
ctggcaattt tgagctgccg gttatacacc aaaatgttct gttcagtacc tagctctgct 60
cttttatatt gctttaaatt tttaaagaaa ttatatgca tggatgtggt tatttgtgca 120
tattttttta caatgcccaa tctgtatgaa taatgtaaac ttcgattttt ttttaaaaaa 180
attagatttt agctggagct tttgactaat gttaaagtaaa tgccaaacta ccgacttgat 240
ngggatgttt ttgtaangtt aattttctaa gactttttca catccaaagt gatgctttgc 300
tttgggtttt aactgtttca acntnggn 328
```

<210> 451

<211> 209
 <212> DNA
 <213> Homo sapiens

<400> 451
 ctgccttggt tcaacagaca tgcaaagatc ctaggagaca gtcccatag accttcagac 60
 attaaaaagg gagccgtaca gtttggttga agcacttcgt cttaccatt tatgcagggg 120
 cccagggaaa cttacacaca gccagaatga gggtcccaaa ggacttacat taattatggc 180
 tcttgcttcc tttcacaaat gagctgagg 209

<210> 452
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 290, 392, 416
 <223> n = A,T,C or G

<400> 452
 ctgtctantc ccttcaagag ctgtttatag aagcttgaga atggggtaaa aatttctgct 60
 agcaaaatca agttcttttt gaaattttat cagtaatcca gaatttagta gtccatgcct 120
 tctcactcag catttagaaa taaaaatgtg gtttcttaaa cgtatatcct ttcattgtata 180
 tttccacatt tttgtgcttg gatataagat gtatttcttg tagtgaagtt gttttgtaat 240
 ctactttgta tacattctaa ttatattatt tttctatgta ttttaaagn ataggctgt 300
 ttaatctttg aagcattttg ggcttaagat tgccagcacc acacatcaga tgcagtcatt 360
 gttgctatca gtgtggaatc tgatagagtc tngactccgg ccacttgagg ttgtgnactc 420
 caaagctaag gacagtgatg aggaagatgg catgtgg 457

<210> 453
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 453
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gtagtatta gtagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactacga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tcttgta 277

<210> 454
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 454
 gttaaaagat agtaggggga tgatgctaata aatcaggctg tgggtgggtg tgttgattca 60
 aattatgtgt tttttggaga gtcattgtcag ttgtagtaat ataattgttg ggacgattag 120
 ttttagcatt ggagtaggtt taggttatgt acgtagtcta ggccatatgt gttggagatt 180
 gagactagta gggctagg 198

<210> 455

<211> 608
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 43, 225, 502, 508, 569
 <223> n = A,T,C or G

<400> 455
 ctgagcaagc taaggaccag gggcaactag accctaataa tgngtacttt tgaaaatgat 60
 acaaaactacc ttggttgtaa gaagtgcagg ttgaacactt taggagaaca gtcttcaaac 120
 tggcaattca aaatttccca ttatatgtga ataaaattgg aaggatgtta aatgtccatg 180
 gaaagttact cttgtaagtt aggatgcctt atactgaggc tttanaatga aagtacactt 240
 cacaaatgga atagtgaaca taaattacca gaagtcaaga taatagtcac actagtaagg 300
 taagcaagggt aaattccctt atacacaaaa attattttga tgaccttttt caataatgaa 360
 tctgaaatga agtgttttaa aaagctccctt aaacacaaaa cgaacataaa actgcttaaa 420
 aacttttagag ctcatgtaat attcttgctg aaaaacagtt ctgaaattac cagcgaaatg 480
 atggaatata tttaaagcag gncactcngt ataactctgga ataatttcac ttgctaactt 540
 ttaagaagta ttctctggac tataaatcct gggcaaatag acttccactt tattattacc 600
 ccaaatta 608

<210> 456
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 358
 <223> n = A,T,C or G

<400> 456
 cctggacctg tgtaaacctt caaacactct tttttacatt aggtcgtgaa gttaaatttt 60
 ttactgtttc tgtgctacag actcttcaaa gggaaatagt taagtcaatt tcaaagaaaa 120
 tgaccagcac atttttaaaa cattagaaat gatttgactt tgactatcta ctgccaaaaa 180
 aagggttaagg aatttgtaat gagaagctaa aaactttaag gaattttaag gaactcaaaa 240
 caaaaactca ttaaagttaa ttaaagttaa ttctacaaat aaagcctctt aatacatttc 300
 tataatagtc acttaagact taaattcaaa cactagcaaa ccacaaaatc agactgtntg 360
 actgacatcc aaaagataaa tataaatcaa aatccgaccc cagcattagc caaggggtag 420
 gtgttctctt tgaggaaggc aggaattcct cttctgccac ctgtttgg 467

<210> 457
 <211> 183
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10
 <223> n = A,T,C or G

<400> 457
 ccaaattnn tacttttaaact actgaaaaca gaggaagtta ataaaaattt taacctataa 60


```

agtcccctgg ttgtagtca ttaacagcag attgtcagat aagactggta aaatgatggc 120
tgctaagcat ttgatgatcc aggcgcagga tgatcaaact gcagcagatc atgcacgtga 180
cag 183

```

```

<210> 458
<211> 445
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 324, 372, 388, 396, 431
<223> n = A,T,C or G

```

```

<400> 458
gaaaaatata aagccaaaaa ttggataaaa tagcactgaa aaaatgagga aattattggt 60
aaccaatttta ttttaaaagc ccatcaattt aatttctggt ggtgcagaag ttagaaggta 120
aagcttgaga agatgagggg gtttacgtag accagaacca atttagaaga atacttgaag 180
ctagaagggg aagttgggta aaaatcacat caaaaagcta ctaaaaggac tgggtgaatt 240
taaaaaaac taaggcagaa ggtttttgga agagttagaa gaatttgga ggccttaaat 300
atagtagctt agtttgaaaa atgngaagga ctttcgtaac ggaagtaatt caagatcaag 360
agtaattacc ancttaatgt ttttggcntt ggactntgag ttaagattat tttttaaatc 420
ctgaggacta ncattaatgg gacag 445

```

```

<210> 459
<211> 426
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 10, 345, 363, 400, 401
<223> n = A,T,C or G

```

```

<400> 459
cctatgatan cttctctagc tatcactc caatcagcaa aaaatgagaa aatgttgaga 60
aatagaagat aattcctcat ttaaggccac cttctagaat ttgtgcttaa gattctgctt 120
tcttctcatg ggccagcact tcggcaactg gcaaaaatta ggtgtacagg gatctaggta 180
atactgttta tttgagcaat aatatattgt gctaacgttc aggcaccta ttactgagaa 240
ataagggaaa atgagtgtaa agtacaacta agagtctcgg cgacagggaa aaataccatc 300
agttaaatat ccatagtcct agagcattta tgtaaaaactg caatntgaat cctgcaatac 360
atnttggtt tttccctcag tgataccatg tgagggaagn ngctctgtca aggcggggccg 420
gataga 426

```

```

<210> 460
<211> 348
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 147, 184, 203, 288, 294, 308, 312, 313, 316, 333, 345, 347
<223> n = A,T,C or G

```

149

```
<210> 461
<211> 378
<212> DNA
<213> Homo sapiens
```

<400>	461						
ccactaagac	agaacggaat	ctagtagaag	tgcaccaatg	cttcagtc	cc	tctactcag	60
catgggtgagc	agtggtcaat	ctgtgccctg	tggaatgatg	ggcagataat	tctggcatgt		120
gtaaataata	ataaataatt	cacttggtgc	aggcagtatg	tctatgaatt	aaaacctagt		180
gtgtacacag	tgccctacatg	tgttacagcc	ccacagtagg	aatctacacc	aaaatatatta		240
ttagaaaggaa	tttggtccgt	actacatcac	gctttccgga	gggtaaaaaa	taaagtcctat		300
ctatagacat	ttcaccacag	accagagac	tgagtctggc	taaaacctgc	aaaatgtcta		360
taacaaaagn	ggatggct						378

```
<210> 462
<211> 197
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 59, 72, 81, 99, 105, 112, 120, 137, 140, 155, 158, 163, 182,
190
<223> n = A,T,C or G
```

```
<400> 462
gcgagggtcca cactattaaa agctgtttggg taattgaagg tgatataaaa tgactgtcnt 60
cattttggagt gngcagcaca nttacttcat gttgtctang tttanaacaa tntcccttgn 120
aagttctcac acagatnggn agaaatcata cctantntng gtnaatcact atggcagccg 180
tnqaagaatn taagaqa                                     197
```

```
<210> 463
<211> 279
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 13, 18, 26, 28, 43, 164, 175, 200, 201, 203, 219, 222, 230,
246, 262, 263, 267
<223> n = A,T,C or G
```

```
<210> 464
<211> 552
<212> DNA
<213> Homo sapiens
```

<400> 464							
gatggggttga	taggtgcagc	aaaccaccct	ggcgcatgtt	taccaatgta	acaaacctgc	60	
acatcctgca	caggtactcc	aaaactaaaa	gtaaaaaaat	ctaaaagaaa	aaagaaaaag	120	
aattaaacc	aaaatcactt	ccccatctgg	acttgattta	gatgaaaagc	ttctggactt	180	
tgagctgatg	ctatagtggg	ttgaaaattt	tggggctcctc	agaaggggat	gaggatatat	240	
tgcattgagag	agcaacatga	atcatngaga	gccagagtat	agagagnggt	gggtagactg	300	
taggagagcc	ctcaatgata	ccggctgtct	tgtattcgcg	ttgcacttac	ttgtataata	360	
tggcagatgg	gatgtgatgt	cactttcaag	attangttat	aaatagacta	tggcttcaat	420	
cagagggttt	tcttctctgt	ctanctctct	tttgggtagn	ttcattctga	gagaaagcca	480	
naactcngcc	gcnaccacg	ctaaggggcg	antccagcn	cactggcggc	cngttactag	540	
tggatccgng	ct					552	

```
<210> 465
<211> 444
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 124, 326, 360, 369, 388, 394, 399, 413, 415, 438, 443
<223> n = A,T,C or G
```

<400>	465						
ccactcttgg	tagaaacctt	gaaactttca	ccttgctggg	ctttagcaaa	gtttcctttt	60	
acagttctgt	ttatgagctt	cagctactga	taaagcactt	cctgaacttc	tctattatca	120	
tagngaccct	ctgaataacc	tgagtgactg	gctcggcaat	tcgctttata	accattctta	180	
ttcccaaagt	tgagcacat	aaacatttag	atgtcttttc	ctgtaaaata	ttctagacat	240	
ttacccaaac	tctagttcaa	catatactca	acttgcactg	tatatctccc	tgcttttttg	300	
agacagagaa	gaaattcagg	aggtgnccca	tctccagagt	ttctctgttg	gaaagcagcn	360	
atcaagaanc	ctttaaaaaa	ttggtgtnaa	gctntgccnc	ctgcagaaat	gcntngcccc	420	
acattattct	tctggggnaa	agna				444	

```
<210> 466
<211> 381
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> 265, 325, 326, 338
 <223> n = A,T,C or G

<400> 466
 cctactatgg gtgttaattt tttactctct ctacaagggt ttttcctagt gtccaaagag 60
 ctgttcctct ttggactaac agttaaat tacaaggggat ttagaggggt ctgtgggcaa 120
 atttaaagtt gaactaagat tctatcttgg acaaccagct atcaccaggc tcggtagggt 180
 tgctgcctct acctataaat ctcccaacta ttttgctaca tagacgggtg tgctctttta 240
 gctgttctta ggtagctcgt ctggnttcgg gggctcttagc tttggctctc cttgcaaagt 300
 tatctctagt taattcatta tgcannaggt ataggggnta gtccttgcta tattatgctt 360
 ggttataatt tttcatcttt c 381

<210> 467
 <211> 95
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7, 11, 15, 46, 69, 74, 77
 <223> n = A,T,C or G

<400> 467
 cctatanatt ntggnttgta tactgggtcc tgaaaaccct cttggngctc tgtttttaag 60
 gagctgaanc caanganccg caataataat acttt 95

<210> 468
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 468
 cagtgggtct ctgatgcctt gcctgcagca gaaggaggga gcagagatca agaggaagga 60
 aaaaatcata tgtacttatt tgaaggtaaa gattattcta aagagcccag taaggaagac 120
 agaaaatcat ttgaacaact ggtaaaccct cagaaaacc ttttgagaa agctagtcaa 180
 gagggccgat cactccgaaa taaaggcagt gttctcatcc cagg 224

<210> 469
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 469
 ctgagttcta gttcaaaagc tttatcctta acttcgtcat gtactatgta aattctagaa 60
 tagaaaaggg aaaggtaaga ttttggtaac ctccaaacat tgaagtagtt cacagaccca 120
 aagtcagtac aaattagaat gtccatccat aataaaaagta tctataaaat tacacagaca 180
 cattctacat agtattttaac attagagaag acaaattaca cagggactga aataaaatga 240
 aacatctact ctcccgacaa atgttgaata tacctaatac acccaagttc agttttat 300
 tgcacattgc ttttagagata taacttggct gggcacagtg gctcacacct gtaatccaa 360
 cactttggga gaccaaggcg gatggatcac ttgaggtcag ttcgagacta gcctgg 416

<210> 470
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 470
 caccttttaa ctgtatcaca aagtctgttg ctgtgggttac agcctttggt tccagtgatg 60
 ttttgtccat gctttccccc aacccttaac aatgggttact caaaagaatg aaataatgag 120
 tcattcattc gggaatatgt taaaatatcc ctctttatca ttacatttca ctgcttagaa 180
 actaggctgt aattcaaggc aacagttaag tctgagaact gttaaaaaaaa tctttgattt 240
 tttttcattt ttaagaaaaa cctgcctatt taattgttca gacttgtaag aggttcttca 300
 attacatcct ttttggttaa tgtattattt ctggaacaag tagataaaat tctacgcagt 360
 aagcataata aaaatc 376

<210> 471
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 471
 ggcttcgtat aatggtttctt ttgtcacccc tgatcgacga tttcgtctacc cgtacaactc 60
 tgacaaggga acgaaatgct tctgtgtatt cacctagtgg tcctgtgaac agaagaacaa 120
 caactccacc ggatagtggg gtactgtttg aagggttagg catttcaaca agacctagag 180
 atgttgaaat tcctcagttt atgagacaga ttgcagtaag gaggccaact acggcagatg 240
 aaagatcttt gcggaaaatt caagaacaag atattattaa ttttagacga actctttacc 300
 gtgctggtgc tcgagttaga aatattgaag atggtggccg ctacagggat atttcag 357

<210> 472
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 29, 213, 428, 515
 <223> n = A,T,C or G

<400> 472
 cngagatgac atttacaatc tcttgaaang cagcagatgg cactctggtg cttcctatga 60
 agcaacatgc ttgaaatcaa gggccaacaa ttgttgtagg aaagcaaaat atacctctaa 120
 cacctacgtt taccaaaaaa gctgacatct caaactctga gttgttgaga ctcaaatttc 180
 tcatccccaagaagaacctat tacggtagtg tgntggatgc tttttgtatc tctgataggc 240
 aggcaactata atgggggggaa atacttctga ataaaaacat tggctgtctt gcaactgtgc 300
 atataatgtc tattcaaggg ggcagtgtgc ctagcatgat cctgaaatgt tgagataaaa 360
 ggaagttggc attaaagcac tatttgtctt atatgaaaag agtgactcta tcttccagta 420
 aacaagantt cctgcaatga aaaagaaatt ttttccttca ttatctataa actatacaaa 480
 ataaccttcc tttttaacct aagactcaaa cattnatatt tgattttatt ctatttgata 540
 ccaatttgta tgtccag 557

<210> 473
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 473

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cctccatcaa cagaaaggat aaagaccctc tcgggtctcc tcattaattc tgaactggaa 60
aagccccaga aagtccggaa agacaaggaa ggaacacctc cacttacaaa agaagataag 120
acagttgtca gacaaagccc tcgaaggatt aagccagtta ggattattcc ttcttcaaaa 180
aggacagatg caaccattgc taagcaactc ttacagaggg caaaaaaggg ggctcaaaaag 240
aaaattgaaa aagaagcagc tcag                                     264
```

<210> 474

<211> 165

<212> DNA

<213> Homo sapiens

<400> 474

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aattcagctt ccagaggccc ttattagtcc ttgttgacag aaacatagat ttggcaactc 60
ctttacatca tacttggaca tatcaagcat tggtgacaga tgtactggat ttccatttaa 120
acagggttaa tttggaagaa tcttcaggag tggaaaactc tccag                                     165
```

<210> 475

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 370, 372

<223> n = A,T,C or G

<400> 475

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aagttctctt cttgttttaa acacattcct gataacttct aaagatgacc aaaataaaac 60
agaatatcta cagagatcat tttctgaatt tttgtacat ccaaggataa caacataaaa 120
aaaataaaac tggacagcat tccacatcca agtgacaga accatttttg caagattaaa 180
taatgtaaac attgggaaca gccaaatcag cgaagaatgc caacacctca aaacacctgg 240
tgttgccgct tcattaagtg gttcaaaatc cagatctata attgcgcaat attcacctga 300
tataaaaaga aatggatatt aattttgaca aatagctgca actgagactt ctttttattt 360
ctttatatgn gnatatagtg aatttttatt atttttaaaa tttttattat tttttta 417
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<210> 476

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 36, 87, 102, 158, 170, 193, 196, 263, 291

<223> n = A,T,C or G

<400> 476

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catttaataa caaaaacaac ctgtacggaa aaccnaagg caaccacata gcatatgtaa 60
aatgtgcaaa tacactttta aatgcangtt attctatagc anttgcaaga tagaatttca 120
ctgtaattag ggaatctagc tcacccctaa ttaatagnct tttgcatgtn tagacaatgc 180
aattctacaa ggnacnactc agcgttgatg cttaaagtatg aaacacatcc tcagattatt 240
catccgaaaa tattaaaata gntcatgtt ttattattct ttaatgagtc ntgagctcat 300
ttctaaagct tcataaagca t                                     321
```

<210> 477
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 546
 <223> n = A,T,C or G

<400> 477
 gctgtgggta tattgtaaat gaagcatcta acatgtgcac aacttgcaac aaaaactcct 60
 tggacttta atctgtcttt ctacagtttc atgtgctgat tgatctgact gatcacacag 120
 gcacccttca ttctgttagt ctacaggaa gtgttgctga ggagactttg ggctgcacgg 180
 tacatgagtt tcttgcaatg acaaatgaac agaaaacagc attaaagtgg caattcctct 240
 tggaaagaag caaaatttat ttaaaattcg ttctatcaca cagagcaagg agtggattga 300
 aaattagtgt actctcgtgc aagcttgagc atcctactga ggcaagcaga aacttgtctg 360
 gacaaagaca tggtttaaac ggtctatcat tttgaactct ggaaaagtat aagagtttta 420
 actcccttta aaatggaata ttaatttgaa aattatgggg aaaattgcat tttgtttaca 480
 tgtgggtaac atgtttctag aaattgggat ggcggaagg gggctgggtg agtctgaagg 540
 acctcn 546

<210> 478
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 478
 aagaaaagtg gtaaaatcaa gtcttcttac aagagggagt gtataaacct tggttgtgat 60
 gttgactttg attttgctgg acctgcaatc catggttcag 100

<210> 479
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 3, 423, 505
 <223> n = A,T,C or G

<400> 479
 gnnttccaaa ttcttctaac tcttcacaaa gccttctgcc ttagtttttt ttaaattaca 60
 ccagtccttt tagtagcttt ttgatgtgat ttttaaccaa cttccccttc tagcttcaag 120
 tattcttcta aattgggtcct ggtctacgta aacaccctca tcttctcaag ctttaccttc 180
 taacttctgc accaccagaa attaaattga tgggctttta aaataaattg gttaccaata 240
 atttcctcat tttttcagtg ctattttatc caatttttgg ctttatattt ttctatcttc 300
 tatacttctc caatacttgt cttagcttgt ttttcatttt ctatctgaaa ctcttgacaa 360
 tatcttctaa tttccctatc ttctctatcc ttttcttcgc cttcccgtag ttctgcttcc 420
 agntttccac ttcaaaactc tatcttctcc aaattgttca tcttaccact cccaataatc 480
 tttccatttt cgtgtagcac ctggnacg 508

<210> 480
 <211> 81

<212> DNA
<213> Homo sapiens

<400> 480
ggtgcccttt tcctaact cacaacaaaa ctaactaata ctaacatctc agacgctcag 60
gaaatagata aggaaaatga c 81

<210> 481
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 30
<223> n = A,T,C or G

<400> 481
tcgccttcgg ccgccgggca ggtaggggn acaagacgct acttccccta tcatagaaga 60
gcttatcacc tttcatgata acgccctcat agtcattttc cttatctgct tcctagtcct 120
gtatgccctt ttcctaacac tcacaacaaa actaactaat actaacatct cagacgctca 180
gggaatagaa accgtctgaa ctatcctgcc cgccatcatc ctagtctctc tcgccctccc 240
atccctacgc atcctttaca taacagacga ggtcaacgat cctccctta ccatcaaate 300
aattgg 306

<210> 482
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 92, 155, 262, 369, 393, 413, 430, 451, 452, 460, 463, 467,
471, 474, 486, 516, 554, 558, 562, 565, 569
<223> n = A,T,C or G

<400> 482
ggggggaaca gtcattatac attatttaga ctcatcctt cttccagtgc ccttatgatt 60
atttcctacc tttaccattg atcttaaact gngcaggcta aaaagaggaa ccagaactcc 120
cttaagcact ttttaagacta tttaaaaaat aaagntttgt tggcattgaa gagtaagctg 180
cttaaggagc tgaatgaaaa gatagtaccc tttgtggctg tatgaagaga gaaactgaat 240
ttctatccaa gagaccttaa tntagcctat tagggaatta tcttcccca aagtacaagt 300
aattttgcac tgcaggagaa ggataagtag atttgattta catcacattt tatacacacc 360
tttcaagang gagaaatctg cttcataaat agnaggaatc tatgcttaaa ctnaacattt 420
aatggtgacn tcttacaaca gccttgaaaa nnattggaan tcngacntga ngnggaaac 480
tggaanaaag aatatctttc tcttctgcat cctttnatcc tcaaacttag catggattca 540
cacgctgagg aaangttngg tnacnaccng aacatttaga ta 582

<210> 483
<211> 275
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> 251
 <223> n = A,T,C or G

<400> 483
 gcctcactaa aataacagat ttcagtatag ccaagttcat cagaaagacc caaatggaat 60
 gatttacaaa atagaacact ttaaaccagg tcagtcctat ctttttgtag ctgaaggcta 120
 tcagtcataa cacaatttcg cgtacacctc tgctcattat ggaattacac ttaaaacgaa 180
 tctcaagagg gtgaccattg ttgtttcaga taccatccct aaggagagtg gttaacagga 240
 agattgccag ngttactgat ggaaagaagc gcttg 275

<210> 484
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 484
 catatttcca caggccaatt tctttctggt tttctgctaa gctatttcag catttttagct 60
 tttcctcttt gctttgttta ctcatgattg ccagatggct acgttacctc taagcatcag 120
 atcctcacia ataatgggtt aaatgtaagg gagggatttt actctcttgc attaaaaaaa 180
 agctttattg agatataatt tactgtaaca ttgactcatt taaagtatgc tagtcaatag 240
 accaaatctt gaataaaact ccattcacia ttgctacaaa gggaataaaa tagctgggaa 300
 tatagctaac aagggaagtg aagggcctct tcaaggagaa ctacaaacca ctgctcaaga 360
 aataagagag gatacaaaaca aatggaaaaa cattccatgc tcatgaatag gaagaatcaa 420
 tatcgtgaaa atgg 434

<210> 485
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 485
 ncaccactgc agccctacat acagttgaaa aaaaattcca ttctgttaac atttgtttta 60
 taagttttca cgcaatacac aaaaaacccc tctgcacttc ttgtaaagaa caaaaaagat 120
 acacaacagt taagcgtaaa gatcacaggc aatagcattc aaacatggat gtgggtagag 180
 aaaggagtac ctggcatgag tacctgctta gtttgactga atccttgatt tttaatttgg 240
 cttttcatgg gccgctcaca acaccaacgc tgtgtgaggt atggtagtca g 291

<210> 486
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 486
 ctgtaatat gtagttgctc cagaatgtca agggcagctt acggagatgt cactggagca 60
 gcacgctcag agacagtga ctagcatttg aatacacaag tccaagtcta ctgtgttgct 120
 aggggtgcag aaccggtttc tttgtatgag agagggtcaaa ggggttggtt cctgggagaa 180
 attagttttg cattaaagta ggagtagtgc atgttttctt ctgttatccc cctgattgtt 240
 ctgtaactag ttgctctcat tttaatttca ctgg 274

<210> 487
 <211> 184
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 86, 132, 137
 <223> n = A,T,C or G

<400> 487
 tggcaccaag attctcagct cacggtacca gcatctgatt gtcggactac ctgctgcttt 60
 ccctgatatt tatacatgat attcgnaaaa tgtaaagaag ctattattca tacagacatc 120
 tagagaagga gngaagnttt taaaaaaata aaaaaaatact tatttcaagc tttagctgtg 180
 ttct 184

<210> 488
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 488
 ctgcattttt attgcatct gcagatgaac tggaaaatct cattttacaa cagaactggg 60
 acagaagacc accatattca ctgaggctca aatttgcagt ttccactaat gacattttga 120
 tttcccaaca gagatacttc tggcttact gcacagtctt ttaagagaaa tacttccatt 180
 atgccacatt gtccttgatc cgtaagtgat gtgttaagggt gcttcaaagg aactctgacc 240
 tctgaagtac ttgagctact ttagtatgtc cagcctattg ctttttggtt tagtgtgtca 300
 ccataaatat caggggcata aaaggctatc tattcttaat tcaaggataa aacagaagaa 360
 gcttggtgga taaaacaata gttcaagatc cag 393

<210> 489
 <211> 607
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 46, 270, 440, 515, 558, 579, 580, 602
 <223> n = A,T,C or G

<400> 489
 gtgcttatgt acttaagggg aactactcta actgggtgaa gagtangatg aagcatccat 60
 gtccctacaa aggatatgaa ctcatccttt tttatggctg catagtattc catgggtgat 120
 atatgccaca ttttcttaat ccagctctatc atcgatggat atttgggttg gttccaagtc 180
 tttgctattg tgaatagtgt cgcaatgaac atacatgtgc atgtgtcttt atagcagcat 240
 gatttataat cctttgggta tatacccagn aatgggtag ctgggtcaaa tggattttct 300
 agttctagat ccttgtggaa ttgccacact gtcttcaca atgggtgaac tagtttacag 360
 tcccaccaac agtgtaaaaag tggctctatt tctccacatc atctccagca cctgttggtt 420
 cctgactttt taatgattgn cattccaact ggtgtgagat ggtatatcac cgtgggtttg 480
 atttgcattt ccctgatggc cagtgatgat gaacnttttt tcatgtgggt tttggctgca 540
 taaatggcct gcctttnta cttctataaa atttttcann tcttattatt attcctgggg 600
 gnttaag 607

<210> 490
 <211> 179
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 76, 102, 131, 169
 <223> n = A,T,C or G

<400> 490
 cttctaggaa tactagtata tcgctcacac ctcatatcct ccctactatg cctagaagga 60
 ataatactat cactgntcat tatagctact cccataaccc tnaacaccca ctccctctta 120
 gccaatattg ngcctattgc cactactagtc tttgccgcct gcgaagcanc ggtaggacc 179

<210> 491
 <211> 399
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41, 156, 371
 <223> n = A,T,C or G

<400> 491
 cctctacctg taatcacatt aatttttcta aagacagggg nggtgttttg aagataaatg 60
 tcattagtct atgataatag catcatagga caattagcca ttttagactt gaccatattt 120
 tctcttttta gcatatagcc atcttgatat ttagngggga gactactcca atggagcaac 180
 agtttcattt tacatgattg gatttagaaa tttacaaatt ttaaactcat aagaattcta 240
 aataatttga aaatggaaac atttgaccca cagtctagca gcataaatatc atttataaaa 300
 tacttcattg ttgatcttag gtcattgatt taaaacagaa tttggtgact atgggcaggt 360
 ggaggggggccc ngtgaggaag gtataaaaaga gaaatcttt 399

<210> 492
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39
 <223> n = A,T,C or G

<400> 492
 ctccacctta ctaccagaca gccttagcca aaccatttnc ccaaataaag tataggcgat 60
 agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac 120
 caagcataat atagcaagga ctaaccctta taccttctgc ataatgaatt aactagaaat 180
 aactttgcaa ggggagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240
 ctaaaagagc acaccctct atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300
 aaacctaccg agcctggtga tagctggttg tccaagatag aatcttagtt caactttaaa 360
 tttgccca gaaccctcta aatccccttg taaatttaac tgtagtcca aagaggaaca 420
 gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta 480
 gg 482

<210> 493
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35, 37
 <223> n = A,T,C or G

<400> 493
 cataaatatt atactagcat ttaccatctc acttngngga atgctagtat atcgctcaca 60
 cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120
 tctcataacc ctcaacaccc actcctcttt agccaatatt gtgcctattg ccatactagt 180
 ctttgccgcc tgcgaagcag cggtagg 207

<210> 494
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 38
 <223> n = A,T,C or G

<400> 494
 ccaattgatt tgatggtaag ggagggatcg ttgacctngt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctagggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tcttgtagac cta 283

<210> 495
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 584
 <223> n = A,T,C or G

<400> 495
 tatgtatata attttcttag ttactagcat agagaaatta ctgattttaa aaaacatttc 60
 aaattctagc atgtttagag attctattgc cttttctaaa aagtacatct tgcttatccg 120
 atttctaaca aaactattta atttgaagaa gggagaatga atttggataa aaagcaaaaa 180
 tttaaaggta ctcaaattta ggcaaaccat taaagcaatc ttagttttaca gttaattggg 240
 tagaatggtc aacactttct tcagggttagt tcatggagtg gatatgcatt gatagaacaa 300
 cttagagatg cttttacagt tgagaaagct cattatatat gttatcttta agaatcagct 360
 tatttatttc atatgtttgt tctttaagaa gaccaaagag ccctgcaa atgaatgttgat 420
 ttgttttttt gtttgtttta tatttttcta gagataagat ctcactttgt tatgttgccc 480
 aggctggtct caaactctca acttgaagtg atctgcccac ctcagcctcc caaagtgggtg 540

ggattacagg catgagccac cgcacctgga cctgcccggg cggncgctcg 590

<210> 496

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 20, 22, 25, 34, 118, 119, 155, 167, 169, 178, 188, 201, 212, 230, 245, 259, 260, 268, 300, 307

<223> n = A,T,C or G

<400> 496

ggagattagt atagagaggn anacnttttt tcgngatatt tggtcacatg gataagtggc 60
gctggcttgc catgattgtg aggggtagga gccaggtagt tagtattagg aggggggng 120
ttaggggggtc tgaggagaag gttggggaac agctnaatag gttgttngnt gatttgnta 180
aaaaacanta ggggggatgat nctaataatt antgctgtg gtggttgtgn tgattcaa 240
tatngctttt ttcggagann catgtcangt gtagtaaat ataattgttg ggaccattan 300
ttcttan 307

<210> 497

<211> 216

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 34, 35, 37, 124, 150, 176, 179, 183, 185, 188, 200, 203, 213

<223> n = A,T,C or G

<400> 497

cattttcctc ttggtttctt cagttaagtc aaanngncac gttcctcttt ccccatatat 60
tcatatatat ttgctcgtaa gtgtatttct tgagctgttt tcatgttggt tatttcctgt 120
ctgngaaatg gtgttttttt ttgttgttgn tggttttttt tttttttttt aaactnggna 180
ccncnaantt gaaaaaatgn ttntttttcc ctnaca 216

<210> 498

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 36, 37, 155, 227, 239, 242, 253, 279, 283, 286, 325, 330, 337, 340, 349, 356

<223> n = A,T,C or G

<400> 498

gaatttcctg gcaccttttc tcgctagaga agattnngtg tgactggggt gcctataagc 60
catatagata caaactttta tctctaatac caagtcttag agggatatat taatagatct 120
aataaattta ttcttagact tattgtttca tgggntagt agtctttgct actggagaca 180
atacagactt gtcagttttt ttaaaaaaaa aaaatttgcc aagctancac attaaaaana 240
tntcctaagg ctntcatttt atgaggatga ttataaacnt ttntgngata aatatcacca 300

taataaactg ttaagtacaa ctgcnggccn cccttanagn gaattcctnc agttanaaat 360
 ttatTTTTTTT gccaa 375

<210> 499
 <211> 215
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 39, 40
 <223> n = A,T,C or G

<400> 499
 ccacnaaagc agaagcttaa agcatagtag taaagaggnn aaaaagaagg acgaaaataa 60
 atcagatgac aaggatggta aagaagttga cagtagtcat gaaaaggcca gaggtaatag 120
 ttcactcatg gaaaagaaat taagtagaag gttgtgcgaa aatcggagag gaagcttgct 180
 acaaaaaaaaa aaaaaaaaaa aaaaaaaaaat gtttt 215

<210> 500
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 38, 239
 <223> n = A,T,C or G

<400> 500
 ccactacgat aagcaggtag ctgggttttg tagtgagntt gctccttaag ttacaggaac 60
 tctccttata atagacactt cattttccta gtccatccct catgaaaaat gactgaccac 120
 tgctgggcag caggagggat gatgaccaac taattcccaa accccagtct catttggtacc 180
 agccttgagg aaccacctac acttgagcca caattgggtt tgaagtgcac ttacaaggnt 240
 tgtctacttt cagttcttta ctttttacat gctgacacat acatacactg cctaaataga 300
 tctctttcag aaacaatcct cagataacgc atagcaaaat ggagatggag acatgatttc 360
 tcatgcaaca gcttctctaa ttatacctta gaaatgttct cttttttatc atcaaactctg 420
 ctcaagaagg gctttttata gtagaataat atcagtggat gaaaacagct taacatttta 480
 ccatgctta 489

<210> 501
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 501
 aaaaacactc aaacacagcc ttggaggagg gagtcagttt taaaagactc ttataaaagt 60
 aatatactgc tagctctgaa gaatcggagg ctaaaatcat ctcttcaagt cccaggggaa 120
 tcccaaagaa ctccagggga aggtgggatg ggccagagag ctctggaagc ttccaggtct 180
 gttgcaagcc tcacctggtg cacagtaggc tcttccaggt ctgtcaggaa cccaggagcc 240
 tcccctagca cacagtaggc tcacaaaaag ggagcactgc tgctgg 286

<210> 502
 <211> 168

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 38
<223> n = A,T,C or G

<400> 502
cctatgattg tgggggcaat gaatgaagcg aacagagntt cgttcatttt ggttctcaga 60
gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt 120
ttaatatatt tagttgggtg atgaggaata gtgtaaggag tatggggg 168

<210> 503
<211> 173
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 34, 35, 43
<223> n = A,T,C or G

<400> 503
cctttataat aaattaggca aaagggttcag tgcnnnggcta tantggacaa catgaaactc 60
cataaaaaatg actggatagg gggactgctt gagacttttc ttttgggcat tactaacaga 120
attcaaagaa attccaacca cgcttatattt tccaaaattct actgaaatga gag 173

<210> 504
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 127, 259, 273
<223> n = A,T,C or G

<400> 504
tagtattcta tttaaaaatt aagttttggg gtctgtaaaa tatacaggac aatgactttt 60
ttaaaatgta agttaatacc tcctcctcac ttgtcttaat tgaacttagg tgttttattct 120
taaaggngga ccttgatgaa aatggtgaga tgggaagtgt tattaggcaa aacttggtat 180
agattttctca tataactctt aattgaccct tagaatttta acaaccgcgc ctggcccaat 240
agactgtttt ttagagtant tttaggctct cancaaaatt gaggggaaaa tacagggtgt 300
tcccatataa 310

<210> 505
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 527

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<400> 505

<210> 506

<211> 352

<212> DNA

<213> Homo sapiens

$\langle 220 \rangle$

<221> misc feature

$\langle 222 \rangle$ 50, $\bar{1}75$, 336, 337

<223> n = A, T, C or G

<400> 506

cttgaacgct	ttcttaattg	gtggctgctt	ttaggcggtg	ctatgggtgn	taaatttttt	60
actctctcta	caagggtttt	tcctagtgtc	caaagagctg	ttcctctttg	gactaacagt	120
taaattttaca	aggggattta	gagggttctg	tgggcaaatt	taaagttgaa	ctaanattct	180
atctttggaca	accagctatc	accaggctcg	gtaggtttgt	cgcccttacc	tataaatctt	240
cccactattt	tgtcatatag	acgggtgtgc	tgttttagtg	gttcttaggt	agctcgtctg	300
gtttcggggg	tccttagctt	ggctctcctt	gcaannnat	ttctagttaa	tt	352

<210> 507

<211> 370

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

$\langle 222 \rangle$ 35, $\bar{1}86$

<223> n = A, T, C or G

<400> 507

cctaactaga	tcttatcaga	ataggggggga	agggngtcgg	ttcatcctta	ttgagtgtta	60
atgaccctgt	aagatgtaat	ttctttttatt	tcattctgtt	acctagaaaa	tctatcacag	120
ccttgtagta	ttgattgctc	aatctataaa	gagctcagtt	tacagcatga	ctgttagtaa	180
cagggnatt	ttaatgagtg	actcttcaac	acctcagagt	ttactaaat	tccaacccat	240
cagcccagta	gtctaacatt	aagggtctta	ggaaatgaga	acttatcacc	tttctttatc	300
atgaaaagg	aacctccagg	taaccaaaaa	tagaacttcc	tctgtgttcg	ttttttatag	360
aaattactgq						370

<210> 508

<211> 129

<212> DNA

<213> Homo sapiens

<400> 511

```
ccnattgatt tgatggtaag ggagggatcg ttgnngctcg tctgttatgt aaaggatgcg 60
tacggatggg agggcgatga ggactaggat gatggcgggc aggatagttc agacggtttc 120
tatttcctga gcgtctgaga tgtagtatt agttagtttt gttgtaagng ttaggaaaag 180
ggcatacagg actaggaagc acgataagga aaatgactat gagggcgnga tcatgaaagg 240
tgataagctc ttct 254
```

```
<210> 512
<211> 269
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 38, 49, 103
<223> n = A,T,C or G
```

```
<400> 512
cctacctgta aactacagta ctttatatat ctatgggntt aataaaaaana aaatccacaa 60
atcttaaaaa ggaacttta atgcagggct atattgaatt ggnaaactgc aacacaaact 120
ggcgcaacat aggtaaatga ataccaatct cactctatgt gatgcaagca tgctactttc 180
ccactaatTT aaattacttt caaccactat gagccagaat gcatgcctga accttaaact 240
gcactttaaa aagtaacatc ttggcctaa 269
```

```
<210> 513
<211> 266
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 34, 79, 137, 149, 154, 157, 217, 245, 251
<223> n = A,T,C or G
```

```
<400> 513
ggaggggggt tgtagggggg tcggaggaga aggntgggga acagctaaat aggttggtgt 60
tgatttggtt aaaaaatant agggggatga tgctaataat taggctgtgg gtggttggt 120
tgattcaaat tatgtgnttt ttggagagnc atgncantgg tagtaatata attgttgaga 180
cgattagttt tagcattgga gtaggtttag gttatgnacc gtactctagg ccatatgtgt 240
tgganattga nactagtagg gctagg 266
```

```
<210> 514
<211> 271
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 9, 32, 33, 39, 51, 52, 61, 62, 65, 75, 108, 112, 120, 123,
127, 129, 132, 141, 142, 157, 173, 179, 210, 219, 220, 224,
231, 232, 235, 240, 242, 245, 251, 259, 266
<223> n = A,T,C or G
```

```
<400> 514
acatgcaana aatcgagaat cttaaaaaac annacgaanc tgccctggaa nncttactgg 60
```

```

nntangatat ttatntttgcg gctgagatac ttgaacaact tcggatcnga antagacaan 120
aanggggnant tntatactgc nncagagggtt acacagntca ttgtattaga gangaacana 180
tgggtcttgtt gttcacacat tgggggggaan atgggcgtnn acangagagg nnganaaacn 240
anganagcct ncctggttng cataanaaaa a 271

```

<210> 515

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 23, 25, 32, 64, 112, 125, 149, 157, 202, 216, 245, 256, 267, 297

<223> n = A,T,C or G

<400> 515

```

ccaatgaggg gcaaagtgag cgncnagaag angttttgac tgaaataaat caaacacaaa 60
aatntaagtt cacagtgaca gtttaacaa aatccaaaca aactaacaac anaaacaccc 120
cttgnntttgc ctctagtggg aggtgggana acacaanctc gtcctaaaaa ttgactagta 180
aaggggaaaaa cccgggtcatt tncctactct ttccangaaa tatctaatagc aagaaagaac 240
ttctnctcat tatacngaag gaatttngaa aaatgatgta tttttggaac acctaantga 300
aatactggaa cctgggcaag ttcaccac 328

```

<210> 516

<211> 220

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 5, 52, 118, 162, 168, 174, 195

<223> n = A,T,C or G

<400> 516

```

ncctnagttg aaggacccca tgtacatata ggccagggga gcagtactag gntaactaga 60
aggatctcat ccccatatgt gggctcattt caagtctatg gatgactacc ttcattgntg 120
tgtgcgagat ggtttcaccc cttgaaaata tgggcacttc ancataanat agcnaaatct 180
ttataatgat caatncatcc tacctccttt tacatgcatg 220

```

<210> 517

<211> 296

<212> DNA

<213> Homo sapiens

<400> 517

```

tgcgatttct tccttggttg ttgctttggg ctgtgttcaa tccagagagc ttaaattgtc 60
attatttttg gaagaaaacc tgtatttttg ttagtttaca atattatgaa atttcacttc 120
aggagaaact gctgggcttc ctgtggcttt gttttcttag tttctttttc cgtgccgtgt 180
attttttaat tgatttttct tcttttactt gaaaagaaag tgttttattt tcaaactctg 240
tccatattta cattctagtt cagagccaag ccttaaaactg tacagaattt ccactg 296

```

<210> 518

<211> 299

```
<220>  
<221> misc_feature  
<222> 37, 38, 238
```

<223> n = A,T,C or G

<400> 521

```
ctgatagctt tctcttcgcc tagattaata tcttctnnct tcccattcac agccccacc 60
gacatcaaag ctttgctgtt ttatctgtca aaaatgtctt cacacttttc attcttaaat 120
aaaagtgtg agtaaggaca ttttcacaac aaatttttat ttacaaaac ttacaatgat 180
ttgaatccaa aacaactttc attatttaac tgtaaagtaa atatatattt tattaggngt 240
gtcttagttc attttgtgct gctttaacag tgtatccttg tgatagttgt ggggtggggg 300
aggggggaag ga 312
```

<210> 522

<211> 336

<212> DNA

<213> Homo sapiens

<400> 522

```
ccttctttcc ccactcaatt cttcctgcc tgttattaat taagatatct tcagcttgta 60
gtcagaccca atcagaatca cagaaaaatc ctgcctaagg caaagaaata taagacaaga 120
ctatgatatc aatgaatgtg ggtaaagtaa tagatttcca gctaaattgg tctaaaaaag 180
aatattaagt gtggacagac ctatttcaaa ggagcttaat tgatctcact tgttttagtt 240
ctgatccagg gagatcacc ctctaattat ttctgaactt ggtaataaaa agtttataag 300
atttttatga agcagccact gtatgatatt ttttaag 336
```

<210> 523

<211> 172

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 5, 9, 11, 21, 49, 56, 60, 65, 66, 83, 88, 92, 113, 129

<223> n = A,T,C or G

<400> 523

```
ngaenggcnc ntggctatgt ntatagatag ggctttaacc actatctgng aagcangagn 60
gacannattc ttgctctcac atnccacngg anacgtattt ctcttctctt acnagcgaag 120
aaccatctnt ttctaaagcc cccattctat tgcccttgct tttctctggc tt 172
```

<210> 524

<211> 471

<212> DNA

<213> Homo sapiens

<400> 524

```
ccagacctgc agaaaaactt agcacagctc aatctgctgt tttgatggct acaggggtta 60
tttgggtcaag atactcactt gtaactattc caaaaaattg gagtctgttt gctgttaatt 120
tctttgtggg ggcagcagga gcctctcagc tttttcgat ttggagatat aaccaagaac 180
taaaagctaa agcacacaaa taaaagagtt cctgatcacc tgaacaatct agatgtggac 240
aaaaccattg ggacctagtt tattatttgg ttattgataa agcaaagcta actgtgtgtt 300
tagaaggcac tgtaactggg agctagttct tgattcaata agaaaaatgc agcaaacttt 360
taataacagt ctctctacat gacttaagga acttatctat ggatattagt aacatttttc 420
taccatttgt ccgtaataaa ccatacttgc tcaaaaaaaa aaaaaacctt c 471
```

<210> 525

```
<220>  
<221> misc_feature  
<222> 5, 36, 60  
<223> n = A,T,C or G
```

```
<400> 525
ccccnctgta ttccagcctg ggtgacccca tctcanggaa gaaaagttac cagatgtcgn 60
gggtaaaggt tgggtcttcaa gtggcctcat aagttgtctt gcattttaaat tcagggaatt 120
cattggacca ataggtttaca ttttcgttcc ttttttgttt tggttcatct gttaagcagt 180
gggggcctaa ttactgtctc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
ttcaactcgg ttgttgatgg gtaataaaggc ctgtttttgc tgccccaataa gggcttaaca 300
atttaggcgg atagttttact taataaaaaa aa 332
```

```
<210> 526
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 36, 241, 258
<223> n = A,T,C or G
```

<400>	526					
ccaggttacc	tccctaaca	gatgtggtgt	tctganggggt	tggttaagt	cccgaggaaa	60
ataggcctta	actgttaaca	tctacagaga	agaaagcatg	gtcacactgg	caaggagtaa	120
gaagggattg	ggtaaaagaa	aatgggagag	aaaagggaaa	aaagttttgg	caagacaatt	180
gttccctgct	aagaagctgc	agggtgaaag	ctttcctttc	ttctattttt	gtttttaatg	240
nctgtctctc	tgatcagngg	aaaagtgaag	atttctagta	tctagcacta	acgtatgacc	300
caactttgag	ggatcacaag	ctagaacaag	ttgaggattt	aaaatcctgg	ataattatat	360
acttaaagtt	catgagcata	aagctcactt	gaccatgcag	aaatgctggg	aagcaggggtg	420
catggcatgg	gaatacatct					440

```
<210> 527
<211> 124
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 30  
<223> n = A,T,C or G
```

```
<400> 527
tttccatatg tctgttgggt gcataaatgn cttcttctga gaagtgtctg ttcctatcct 60
ttgccccctt tttgaggact taaatgttag acctaagacc ataaaaaccc tagaagaaaa 120
ccta                                             124
```

$\langle 210 \rangle$	528
$\langle 211 \rangle$	162

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 35
<223> n = A,T,C or G

<400> 528
ctgcgggaga aatatgggga caagatgttg cgcangcaga aaggtgaccc acaagtctat 60
gaagaacttt tcagttactc ctgcccgaag ttcctgtcgc ctgtagtgcc caactatgat 120
aatgtgcacc ccaactacca caaagagccc ttcctgcage ag 162

<210> 529
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 34, 35, 270
<223> n = A,T,C or G

<400> 529
cctttaaaat atagcttata aaatgtatac tatnngccag gagagctcac atttttctgc 60
agttttccag tggacctgcc tatggaatac tgtaaagaaa aatctgcaaa aatattecta 120
gcaattgaat cagtgccttt aaataaaaaga agtggagagg ggcttggtta aattattctg 180
acaagttttc ttgctagtgg ttgccaaaat taaggatatt tgaagtgtcc tatcacccaa 240
atttggtctt aagaaaaagc tatattctgn gtctataggg tgaagcccac actatctgtg 300
ctgcattctc aatgatacaa tacctatctg gaaactttcc tgttttgccca atgggtgcac 360
aaatctaaaa cattttatca caaaaggtac ttgaatttaa atttctttt 409

<210> 530
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 39, 47, 96, 254, 264
<223> n = A,T,C or G

<400> 530
ccgccagtgat gatgatatac tgcagaattc gccctttcna gatttgngcc cgggcaggtc 60
catggctagg attatagata gttgggtggt tggggnaaat gagtgaggca ggagtcagag 120
gaggttagtt gtggcaataa aaatgattaa ggatactagt ataagagatc aggttcgtcc 180
tttagtggtg tgtatggcta tcatttgttt tgaggtagt ttgattagtc attgttgggt 240
ggtaattagt cggntgttga tganatattt ggagggtggg atcaatagag ggggaaatag 300
aatgatcagt actgcggcgg gtagg 325

<210> 531
<211> 173
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37
 <223> n = A,T,C or G

<400> 531
 ccaattgatt tgatggtaag ggagggatcg ttgaccncgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gtagtatta gtagttttg ttgtgagtgt tag 173

<210> 532
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41, 331, 344, 369
 <223> n = A,T,C or G

<400> 532
 caggtcctac tatgggtggt aaatttttta ctctctctac nggggtttttt cctagtgtcc 60
 aaagagctgt tcctcttttg actaacagtt aaattttacaa ggggatttag agggttctgt 120
 gggcaaatTT aaagttgaac taagattcta tcttggaaca ccagctatca ccaggctcgg 180
 taggtttgtc gcctctacct ataaatcttc ccactatTTT gctacataga cgggtgtgct 240
 ctttttagctg ttcttaggta gtcgctctgg ttctgggggt cttagctttg gctctccttg 300
 caaagttatt tctagttaat tcattatgca naaggatatag gggntagtcc ttgctatatt 360
 atgcttggtt ataatttttc atctttccct tgcgg 395

<210> 533
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 215, 216, 237, 244, 249, 265, 267, 283
 <223> n = A,T,C or G

<400> 533
 ctgaaccatt atgggataaa ctggtgcaaa ttctttgcct tctctacttc tcaactgattg 60
 aacataagct tccagggtc cctgaaaac caaatgaaa acaatgtcaa aatattagat 120
 aaatcacata aaacagttaa ggggatacca atatataaaa attattaggt aagctcattt 180
 ctggaactgt taatgctcgg ttccacaatc caagnngacc aacagccttc actcagntac 240
 tggnaagtgt actatgggta ctacngntac tabctttagt gtnaaaaact 290

<210> 534
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 43, 44, 96, 126, 219, 228, 239, 248, 263, 287, 299, 310,
318, 322, 323, 330

<223> n = A,T,C or G

<400> 534

```
ccgccagtgt gatggatata tgcagaattc gcccttagcg agnnagccgg gcaggtccat 60
ggctaggttt atagatagtt ggggtggttg tggggnatga gtgaggcagg agtccgagga 120
ggttantttg tggcaataaa aatgattaag gatactagta taagagatca gggtcgtcct 180
ttagtggtgc gtatggctat catttgtttt gagggtagnt tgattagnca ttgttggng 240
gtaattantc ggctgttgat ganatatttg gaggtgggga tcaatanagg gggaaatana 300
atgatcagtn ctgcggcngg tnngacctn gcc 334
```

<210> 535

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 1, 536, 538

<223> n = A,T,C or G

<400> 535

```
nccataagct tcagtgcgca aaaggccaag gccagtgtta atttgttatt tcttaaataa 60
ctttcccttt catTTTTTaaa ttataaattt aacttctaac atgttttatg gttaaaattg 120
tacttttttc cttagcgac attcaaatgc atcacaatca ctttgtgaaa ttgttcgcct 180
gagcagagac cagatgttac aaattcagaa cagtacagag cccgaccccc tgcttgccac 240
tctagaaaag tatgtgtaaa actctgttct tgttcttctt tcatattgat gctgttccat 300
gtgttaccat tgtgagtggg tggttaagtgt tccttatgtg ggaatcatgt gccttgaaaa 360
taaccttggg tgggtgagaa ggtagggaaa cctgcttctt ttatctcaag taaaagtttt 420
ggcagggtaa agaagataaa tgacatttat atctagactt ttgagttttc caattatttg 480
gtaaaaatgg gaaattctgt agaagccctt ccttaaaaaat gggggaagtc catttnanaa 540
aattaactgg taggtca 557
```

<210> 536

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 37

<223> n = A,T,C or G

<400> 536

```
gttccaacct tcatttctga aactgttcta gagcacngtg tctttctcgt agttcataac 60
ttacccttct agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta 120
agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga 180
ctcatatcta gagtcttttag atgaaactta ctgagttgaa taacttaata tatttctgtt 240
ttcattccca agggaggcca tgtctggaga tagacctga atttaataaa ttttaggcac 300
tataccattt cagtggagaa aattgttggg aaatttgggg ggatggatat ataaggggga 360
ggaagtcact gg 372
```

<210> 537

<211> 284
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37
 <223> n = A,T,C or G

<400> 537
 ccttctgatg caaacagaaa ggaaatgttg tttggangcc ttgctagacc tggacatcct 60
 atgggaaaaat ttttttgggg aaatgctgag acgctcaagc atgagccaag aaagaataat 120
 attgatacac atgctagatt gagagaattc tggatgcgtt actactcttc tcattacatg 180
 acttttagtgg ttcaatccaa agaaacactg gatacttttg aaaagtgggt gactgaaatc 240
 ttctctcaga taccaaaciaa tgggttacc cagaccaaact ttgg 284

<210> 538
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 538
 gtacatagta ggtgtatata tttatgggct atataagatg ttttgataca ggcattgta 60
 gtgaaacaag cacatcaaca agaatggggg atccatcccc taaaacattt gtcctttggg 120
 ctacatgtca tttcctaattg taaagaaaat ggacagacag aaccaacatt gatttgactg 180
 ggtgaaaaag tccatttgag ttgggagcag gggttgtgtt cctggatttg ggttgtagg 240
 acagtgtaaa aaggcttcac aggggaacat tcttttctga taaaggaaag cag 293

<210> 539
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 35, 36, 59, 251, 367, 436, 437
 <223> n = A,T,C or G

<400> 539
 tttcnataaa ctttattttt agagcagttt taagnnggta gcaaaattga ttagaaggna 60
 cagagatgtc ccatacacct cctactccca cacatgcaca gccttcccca ttatcaatag 120
 cccccaacag agggatacat ttgttaacaa ctgacgaacc tacatatcat tatcacccaa 180
 agtccacagt ttatattatt ccttctggag aattttcaaa tacagaaatt cctctaccag 240
 gaataaacta ncaatttcct ctcggttttc tataaattta attattattt cagaaattag 300
 cctatcttta caggagaaaa tgttataaac catgaaaaga ctatcaaata cacaaggaag 360
 tgaatgntat ataaaaaatg taccatctcc taaacaacta cctgcattcc cttctgtgtg 420
 gtaagttata atttgnnata gttctgatca tctgtttaat taatttgc 468

<210> 540
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>

$\langle 223 \rangle$ n = A, T, C or G

ctgttttatt	aattccccc	tttgagcac	actntctct	tccaacattc	atcagtcaga	60
tcagagtcca	cggcttttc	aaaattttaga	taaactggct	tacattttgt	aatgatgtcc	120
ccagacaaca	ccccactcca	accattctg	tttgtacta	ttagtttaca	acatgcatgt	180
gcctttactt	tcattttcat	agtattttaa	aatggaagg	cactcccaa	tttactttaa	240
ccccctttat	aatctctctc	ctcctgctc	ctctggctct	ccagacaact	gttgatttac	300
tttcttttat	gatggattg	tttgactttt	ctagaaattt	atatgactga	catataaagn	360
ttttatgttt	ctcccccttt	qttttcttca	tgtggca			397

<213> Homo sapiens

cttagatagtg	ggattgtgctg	gtgtgtgatg	ctagggtaga	atccgagtat	gttgagaaaa	60
taaaatgtgc	atagtggggg	ttttatttta	agtttggttg	ttaggtagtt	gagggtctagg	120
gctgtttagaa	gtcctaggaa	agtgcacgcg	agggctgtga	gttttaggtg	gagggggatt	180
gttggtttgga	agggggatgc	gggggaaatg	ttgttagcaa	tgagaaatcc	tgcgaaatagg	240
cttcacgc						248

<213> Homo sapiens

$\langle 223 \rangle \quad n = A, T, C \text{ or } G$

aatcgccct	ctagatgcat	gctcgagcgg	cgcgcagtgt	gatggatata	tgcagaattc	60
gcccttgagc	gatanccggg	gcaggtccaa	ttgatttgat	ggtaagggag	ggatcgttga	120
ccnctctctg	tatgtaaagg	atgcgtaggg	atgggagggc	gatgaggact	aggatgatgg	180
cgggcaggat	agttcacagc	gtttctattt	cctgagcgtc	tgagatgtta	gtattagtta	240
gttttgttgt	gagtgttagg	aaaagggcat	acaggactag	gaagcagata	aggaaaatga	300
ctatgagggc	gtgatcatga	aaggtgataa	gctcttctat	gataggggaa	gtagcgtctt	360
qtanac						366

<213> Homo sapiens

cctactatgg gtgttaaat ttttactctc tctacaagggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
aatttaaggt tgaactaaga ttctatcttg ggcaaccagc tatcaccagg ctcggtagggt 180
ttgtcgccctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240

```

agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
ctatcgccta tactttattt gggtaaattg tttggctaag 460

```

```

<210> 544
<211> 116
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 42, 46, 95
<223> n = A,T,C or G

```

```

<400> 544
ccgccagtgt gatggatata tgcagaattc gccctttgga gngctngcgc ccgggcaggt 60
ctgtttcagc agtcctctct tcttcttccc gcgangatct cgagccttga tcttgg 116

```

```

<210> 545
<211> 380
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 18, 102, 104, 123
<223> n = A,T,C or G

```

```

<400> 545
cgacggatcg atnagctnga tatcgaattc ggacgagcat ggcgatttgc tgcagatatg 60
gattcttcag aatgctccat gacaaatgta ctgacgggaa gncnatctaa aggaggcatt 120
gtnatgagag aaaggtctcg agctccagat aaagagagat acagagttct tgggaattgga 180
gttgacagaaa cagtaagaca atcgattgtg gggaagcggt ctttttagaga atctttggcc 240
ttcactccaa agcgttggtt ttcataata ataagtagct cgtgccgaat tctgcagcc 300
cgggggatcc actagttcta gagcggccgc caccgaggag gagctccagc tttgttccc 360
ttagtgagg gttaatttcg 380

```

```

<210> 546
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 546
ccagggcaat taggcaggag aaggaaataa agggatttca attaggaaaa gaggaagtca 60
aattgtccct gtttgccgat gacatgattg tataatctaga aaacccatt gtctcagccc 120
aaaatctcct taagctgata agcaacttca gcaaagtttc aggatacaaa atcaatgtac 180
aaaaatcaca agcattctta tacaccaata acagaccaac agagagccaa attatgagtg 240
aactcccatt cacaattgct tcagagaata aaatacctgg gaatccaact tacaagggat 300
gtgaaggacc tcttcaagga gaactacaaa ccaactgctca aggaaataaa agaggataca 360
aacaaatgga agaacattcc atgctcatgg gtaggaagaa tcaatatcat gaaaatgg 418

```

```

<210> 547
<211> 172

```

cctaccgcc gcagnactga tcattctatt tccccctcta ttgatcccca cctccaaata 60
tctcatcaac aaccgactaa ttaccaccca acactcacia caaaactaac taatactaac 120

```
<220>  
<221> misc_feature  
<222> 395, 574  
<223> n = A, T, C or G
```

<400> 553

```

ccgggattag aactaaaaca agtgagatca cccctctaata ttttctgaa cttgggtaaat 60
aaaagtttat aagattttta tgaagcagcc actgtatgat attttaagca aatatgttat 120
ttaaataatt gatccttccc ttggaccacc ttcattgttag ttgggtatta taaataagag 180
atacaaccat gaatatatta tgtttataca aaatcaatct gaacacaatt cataaagatt 240
tctcttttat accttctca ctggccccct ccacctgccc atagtcacca aattctgttt 300
taaatacaatg acctaaagatc aacaatgaag tttttataa atgtatttat gctgctagac 360
tgtgggtcaa atgtttccat tttcaaatc tttanaattc ttatgagttt aaaatttgta 420
aatttctaaa tccaatcatg taaaatgaaa ctgttgctcc attggagtag tctccacact 480
aaatatcaag atggctatat gctaaaaaga gaaaatatgg tcaagtctaa aatggctaatt 540
tgtcctatga tgctattatc atagactaac gacntttatc ttcaaaacac caaattgtct 600
ttagaaaaat taatgtgatt acaggtagag g 631

```

<210> 554

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6

<223> n = A,T,C or G

<400> 554

```

ccaggntagt ctccaactcc tgaccttagc tgatccaccc acctcggect cccaaagtgc 60
tgggattaca ggcatgagcc actgcgccc gccaaacttg atatgcattt ttaaataagt 120
taatacatta ttcattggtt agtctcatta tatattctat ggtccacttt gaaatttcat 180
ctaaccaaaa tcattcttcat cctgcaattt gaggtttgga cacaatgggg attgatcagt 240
aatttcttca tatgcccttt ctcaaggaaa tagtttccta tgaaaaaaa gtcctatggt 300
ttcatgtaag ttctcttttt ggagaagaaa aggagacatt ctacttagc actctcagtt 360
ttacaaaaacg ctgccaacct taaaatttgt ctattgattc ccaaggcaca caaccaatag 420
tctgtcaata acccggaata acatttcttt aaggccccag taactttcac atgtttgggt 480
tccaatcctc acctagaatc ttgttaagaa aagtaaacca ttcaactctc tagaaactct 540
aaggttgctt cttagggg 558

```

<210> 555

<211> 212

<212> DNA

<213> Homo sapiens

<400> 555

```

ccaggatatt gcataatggc ttttcttctg ttgcctttgt tcctttgtgg ccccagctaa 60
ttgcctgaga gtgccactgt tagttttcaa ctctttctga tagaaaccct gtgtactaac 120
atggaaatct taggtaatct gctttttcaa agcacaatgc agaatttatt ggcggtggtg 180
taactttaag aatatccgag aagccaccaa gg 212

```

<210> 556

<211> 219

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 214, 216

<223> n = A,T,C or G

<400> 556

```
ccatgtgtct atctggagag aaggggaaac agcaagtgca aaggccctga gatggaacat 60
atctggagaa ttcgaagaat ggtaagaagg ccagagtgga gcagaacaag tgtgggagag 120
agttgtagga gatgagatca aaggctagga atgaagtgta aggccatgtc atgtgacctt 180
gtatgtcctt gtaaggcttt tttttttttt ttttncct 219
```

<210> 557

<211> 482

<212> DNA

<213> Homo sapiens

<400> 557

```
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagg tatcaccagg ctcggtagggt 180
ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctc ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tatagggggt agtccttgct atattatgct 360
tgggtataat ttttcatctt tcccttgctg tactatatct attgcgccag gtttcaattt 420
ccatcgcta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaagggtg 480
ag 482
```

<210> 558

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5

<223> n = A,T,C or G

<400> 558

```
ctgnaaaat tctgaacctt tccccaaaag aaaaaccgtg aaatacaagt tttaggagggt 60
ggagcaaaga aaagccaagt tattttaaac caataaacac aagagacaat tctgctggag 120
aatttacttt ctccaaaaca tcaaatggac tttaaagcag aagaccacat tttatgagaa 180
agttatgtca ctgaaaagct tcatgtaaag tgactttgta aatggaatat ttttaaata 240
taaaaagaaa ataacttttc caggaatcct ttggagaggc tgataaccag atattaaatt 300
atcaattttg ccaaagtgga cttttaaaaa atgtgttact tttaaaaact aacttgaaag 360
aatttatgag gcaatctatc tgagtatggt tattgttgct ccattggctt tcaggatttt 420
ggtcatttca ctgttaactc ttacatcaga gaataaagaa aagaaaatga aactttgtta 480
ggaactggga tggaaaatgt agtcccagac agatctactg acctcgactg agtttcagaa 540
atatcccagg attttggtta ttcatgcctt tcttttgta ctttctttca aattagccaa 600
ttaaagatac cccttcaatc accggtgaca tcagtacaac agtttttcaa cagttttctc 660
tctcctgacc aaacagttt 679
```

<210> 559

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 393, 407, 420, 450
 <223> n = A,T,C or G

<400> 559
 cccactgta ctccagcctg ggtgacccca tctcaaagaa gaaaagttac cagatgtcat 60
 gggtaaaggt tggctctcaa gtggcctcat aagttgtctt gcattttaa ttagggaatt 120
 cattggacca ataggttaca ttttcgttcc ttttttgttt tggttcatct gttaagcagt 180
 gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
 ttcaaactgg ttgttgatgg gtaacaaggg ctgtttttgc tgccccaaaa gggcttaaca 300
 atttaggcgg atagtttact taaaaaaaaa aatcctttgg agacatactg aaaatgcaaa 360
 ctagtttcta aattatcaat tccctacatg aanaagcagt ttgccanagt ttagtctcan 420
 aaaatgactg gttggctcta tttaaatcan aaccctaatt ctacgcacct gccgcgccgg 480
 ccaagggc 488

<210> 560
 <211> 602
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 566
 <223> n = A,T,C or G

<400> 560
 cctanttaag aattccttgc cttagtgggt aacaaggact aaacacagac aatgggtgaa 60
 acacagacgc taattcacat aacagagagt aggcaacctt aagaatgaat tgatgcagac 120
 tcctatagaa ttctctgttt atgactgggt tcttattttc tcctccttgt atgtagtga 180
 aatttcacat ttatgaatag ttccttgat ctttttttaa agttgtgaat gcgagtgttt 240
 ggctttgtaa tacaactttt tagtatccag aagataacca gtgctctacc aataaagatc 300
 ttttgatata aagggtttta acttctgccg gttcttactc atttttttca ggttttttat 360
 acatttctta aacaacacat acattatgta aaatataaga attaatgtac attctcaagg 420
 ccagattcag tgacaaaatg cactaccgga atctagtaac acatttactc cttgctgcat 480
 ataagtggcg tgtaagaaat acagggtata ttgttttggt atccatgcag taaatgttca 540
 caaatatcag gcaaacaact agacgntcct cagctactaa aattaactgt ccagtcaca 600
 aa 602

<210> 561
 <211> 683
 <212> DNA
 <213> Homo sapiens

<400> 561
 gtctatTTTT aaaaagaaag aaaaaaacca cttttttata gtccctagct ttgccatag 60
 cccgccttaa gtggaaggaa agttaatcac ttaactatgt tttataaaaa gaaaaaagg 120
 cttggaatgc tattactgtt cacacaaagt atgattctgt ttgaataagg caaatgctcc 180
 tttttttaa aaaagacatt actgtaatat caaaaaccgt ggcagtttgt atacaactct 240
 gggcttgatt tttttttaa aaacagaatg aattgatgtc ttattttata aatgttctat 300
 atttattagg agaaaacttt atattgcctt ttttatcaat catgtaacag gcttatagct 360
 ttccaacaga gctgcttgcc aaacaatttt ttttgtttat taaacagtgc tgaaacaaac 420
 aggatcagca tttacttaag atgttaagaa tgaggacttt taatcagccg aaccaagata 480
 ttgttacctg tatgcattcc caaagtctag atgctcagta tgttcagtca tatctttcag 540
 aatcagtga ccgattaccc tttttttggt attcactcta catctgccaa cctagttcac 600

```
<220>
<221> misc feature
```

<222> 4, 5, 37, 38, 550, 551

<223> n = A,T,C or G

<400> 565

```
ccanngtgac atcatggcaa tacagcaaga attctgnnat ttatttagaa gcctcaagga 60
gaaggatcct ggagcccctg aatgagagtt tcttctccat gcctctcccc agtcaaaaata 120
catggaaata ttcatagaag cattgtaccc agcatgataa ggaaggatgg agaatgggtc 180
cttatatctc tggtcacaa acatcaacac tcttaagtaa ctgtatgaaa taaattctct 240
gctgaaagca aataaaccat ctgaaaggct tcttggttac ttacacagat ttcctagaga 300
atctgaaatc agcctaacag ggaagattaa tttttaaatg aatccaagtt aatgaaagca 360
aagaactctt atacagaaat acattttcct attataaagc aggactacct tccctaattt 420
ctgatagacc taggacaatt tgaatgggca ttgaaattct tttggttgaa ttacgcaaac 480
aagcaaagga aaagtctcaa ttattattgg aaaatttggg gagagattat tatctcttga 540
tctcctagtn natt 554
```

<210> 566

<211> 631

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 14, 15, 35

<223> n = A,T,C or G

<400> 566

```
ncgaagctgt gaanncattc acacggaatc tgganggtat tactgtaact tcttataata 60
cataatataa aggtttttga aagatataga cacaattaac ccctaaacaa cacactatct 120
gattctcaaa agcaatggct atttaacaag atgtaaaagg acaataacat atcaaagaac 180
tttcacacac cttaaagatag catttagcag caagttagtc agacaaaaca aacataaata 240
tcttcacatt tcttatgttt gtttttaact ttacttcata aagccactga taattgaggt 300
ttctttcaag tataagattt ctaaaattaa aaactgtttt tgacatattt ttataaagaa 360
ataaaaagca aaacgcaatc caactattta tatgagtccc tcttctccaa cagctttaga 420
tggttttctg agtacttttt acacagaata tttttattaa aatcagttct aattcattta 480
tgcagattag gggaaaatga ttcataataa attaaactta aaattacctt ctatctgctt 540
ctaccttat cccccatca ccaccaaatc tggtgctaca gtgaactgta gccaatgtct 600
gtttgagggg gcccaaagca tctggtaatc t 631
```

<210> 567

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 39, 87, 97, 111, 113, 161, 163, 179, 210

<223> n = A,T,C or G

<400> 567

```
cctatnatag cttctctagc tatcatactc caatcagcna aaaatgagaa aatgttgaga 60
aatagaagat aattcctcat ttaaggncac cttctanaat ttgtgcttaa nantctgttt 120
tcttctcatg ggccagcact tcggcaactg ggaaaaatta ngngtacagg gatctaggna 180
atactgttta tttgagcaat aatatattgn gctaacgttc aggcaccta ttactgagaa 240
ataagggaaa atgagtgtaa agtacaacta agagtctcgg ctacagggaa aaataccatc 300
```

```

agttaaatat ccatagtcct agagcattta tgtaaaactg caatttgaat cctgcaatac 360
atatttgctt ttctctcagt gataccatgt gtgggaagtt gttctgtcaa ggtgggtcgg 420
ataatttgcc ctggaaagga cggatagtga ctttcctgac atgtaaaaca tttgatcctg 480
aagacacaag tcaagaaata ggcatgggtg 510

```

```

<210> 568
<211> 180
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 6, 11, 34
<223> n = A,T,C or G

```

```

<400> 568
ttaatntgac ncacgcttat gcggaggaga atgntttcat gttacttata ctaacattag 60
ttcttctata ggggtgataga ttggtccaat tgggtgtgag gagttcagtt atatgtttgg 120
gatttttttag gtagtggggtg ttgagcttga acgctttctt aattgggtggc tgcttttagg 180

```

```

<210> 569
<211> 237
<212> DNA
<213> Homo sapiens

```

```

<400> 569
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt caggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaag 237

```

```

<210> 570
<211> 352
<212> DNA
<213> Homo sapiens

```

```

<400> 570
ctgtctctcc atttagagcc ccagttggtc ctgacctctt acaaatttgg tgttttcact 60
ttgatgttta tgaaccgatt gcattaaaaa tgcaggataa tgattcaggg ttagagaaac 120
tattatttat acaaattgtg ttaacacctc atcattttta attggctgtg ctaataatgc 180
tcattgtgct cttcaggggt atgtgtgtgt gtgtgtgtgt gttttgcctg aatctgcaac 240
ctacatttgc tctggcagta tgttgagtat atgctagaat agaattggacc taggcaactc 300
taaggtccta caactaaata cacttactta ggaaacctcc taaataagta gg 352

```

```

<210> 571
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<400> 571
ctgattttta caataactac tgtgttcctg gcaatagtgt gttctgatta gaaatgacca 60
atattatact aagaaaagat acgactttat ttctgtgtag atagaaataa atagctatat 120
ccatgtactg tagtttttct tcaacatcaa tgttcattgt aatgttactg atcatgcatt 180

```

```

gttgagggtgg tctgaatggt ctgacattaa cagttttcca tgaaaacggt ttattgtggt 240
tttaatttat ttattaagat ggattctcag atatttatat tttatttta tttgtttcta 300
ccttgagggtc ttttgacatg tggaaagtga atttgaatga aaaatttaag cattgtttgc 360
ttattgttcc aagacattgt caataaaagc atttaagttg aa 402

```

```

<210> 572
<211> 70
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 57
<223> n = A,T,C or G

```

```

<400> 572
tggatccgag ctcggtacca agcttggcgt aatcatgggc atagctgttt cctgtgntcg 60
ttttacaacg 70

```

```

<210> 573
<211> 423
<212> DNA
<213> Homo sapiens

```

```

<400> 573
ccaatggttt cttagtgaag gagtacctga gctctgaatg caatgccctc agaaagatat 60
cattcataga gacatacaaa gcacatggca acatgacatt ggaatacacg attctgagca 120
tcttcattca tgaccaacct ggctatagat ttcagatgct ctcttggctc gaaggatata 180
tgggatatacc atgctcactt gcattccttt ccctttaatt tcattttcta agtccttctt 240
gtattgtttc taaaagaaca gaaaataatc ttggagcttt gcttaagctt taatagcgat 300
gttgaaaattt acatgtttga atctcaaagc caccatgtg gaaagaaaac ttatgctctt 360
tccagctatg attcacggca tttattttta actttgtatc ttgctgctgt cttacctggc 420
tgg 423

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<210> 574
<211> 129
<212> DNA
<213> Homo sapiens

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<400> 574
ctgttaaaag aacaaactta gcaatatata acagtttgct aacaggattt ttgactattc 60
actttgcgag ttatttttta aatccactt ttttactgag tcttactaca taccaggcac 120
tgtacttg 129

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<210> 575
<211> 684
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 7, 40
<223> n = A,T,C or G

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<400> 575

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ccagatntga cttttcaaaa ctactcacat tgtgaaaaan gcaggaacaa atctagtttc 60
aagttcagca tgccgttccc tgtttaattc ataaaaacaca actggcagaa gtattacttg 120
aagcaaaaca aaagtaacgt gggaacttgc ttatttgcta agccacaatg tatttttcca 180
ggaatagcat aaatttgcca tctttcttgt gtctatggaa aaggggttta gaattgtttc 240
actaaaaatt aaatttctat attgtcaaac atgattgtat actcaaattt taaaatgtga 300
agggaacact tactaagcat ttcttggtta tgccactata ttaagtccta gtaatatgat 360
atagtttatt tcaatttttt ttcaactcat acttccttta aaatagcact gaccaaaaga 420
aagttaacat gagcttcatg tacaattttt aatctttttg cagaaaaata aactgagaaa 480
ggctaaaatt gttttattta agccactata ccaagacata ttgatttcac caatataaaa 540
attgagatag ttacattttt ttggtacatc tttaaaatct ggtatgtatt tttatactga 600
cagcacatct caatttggac aagctacatt tccagggctc aatagtcacc atgaatctca 660
attgtaatca aagaggttgg cctg 684

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<210> 576

<211> 134

<212> DNA

<213> Homo sapiens

<400> 576

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ccttatttct cttgtccttt cgtacagga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcgctg cacc 134

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<210> 577

<211> 133

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 25, 27, 34, 117

<223> n = A,T,C or G

<400> 577

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ctgtctctcc attnagaagc cccantnggt cctnacctct taaaaatttg gtgttttcac 60
tttgatgttt atgaaccgat tgcattaaaa atgcaggata atgattcagg gttaganaaa 120
ctattattta tac 133

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<210> 578

<211> 200

<212> DNA

<213> Homo sapiens

<400> 578

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cctcaaactc atcttcaaag gtgaccagc aatcagtgtc aatgccttta ctgtagttaa 60
cctggtaatt tcattcttta gtctctccaa gaaaatctga agtgtattag gcaagtcaga 120
acccaaattg tctccaaggt tgcaaataat ttgtcccata caggaaatag ccctttcctt 180
gacttcctga tcaatgtcag 200

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<210> 579

<211> 402

<212> DNA

<213> Homo sapiens

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ctgatttttaa	caataactac	tgtgtttcctg	gcaatagtg	gttctgatta	gaaatgacca	60
atattatact	aagaaaagat	acgactttat	tttctggtag	atagaaataa	atagctatat	120
ccatgtactg	tagtttttct	tcaacatcaa	tgttcattgt	aatgttactg	atcatgcatt	180
gttgagggtg	tctgaatggt	ctgacattaa	cagttttcca	tgaaaacggt	ttatttgtgt	240
tttaatttat	ttattaagat	ggattctcag	atatttatat	ttttatttta	tttgtttcta	300
ccttgaggtc	ttttgacatg	tggaaagtga	atttgaatga	aaaatttaag	cattgtttgc	360
ttattgtttcc	aagacattgt	caataaaaagc	atttaagttg	aa		402

<213> Homo sapiens

$\langle 223 \rangle$ n = A, T, C or G

ccaattgatt	tgatggttaag	ggaggggatcg	ttgacctcgt	ctgttatgtta	aaggatgcgt	60
agggatggga	gggcgatgan	gactaagatg	atggcgggca	ggatagttca	gacngtttct	120
atttcctgag	cgtctgagat	gttagtatta	gttagttttg	ttgtgagtgt	taggaaaagg	180
gcatacagga	ctaggaagca	gataaagaaa	atgactntta	gggcgtgac	atnaaanggg	240
ataaa						245

<213> Homo sapiens

tgcagcgcaa	gtagggtctac	aagacgctac	ttcccctatc	atagaagagc	ttatcacctt	60
tcattgatcac	gccctcatag	tcatttttct	tatctgcttc	ctagtcctgt	atgccctttt	120
cctaacaactc	acaacaaaac	taactaatac	taacatctca	gacgctcagg	aaatagaaac	180
cgtctgaact	atcctgcccc	ccatcatcct	agtcctcatc	gccctcccat	cctcacgcac	240
cttttacata	acagacgagg	tcaacgatcc	ctcccttacc	atcaaatcaa	ttgg	294

<213> Homo sapiens

gaggtagccc	tcatagtcac	tttccttata	tgcttcttag	tcctgtatgc	ccttttctca	60
acactcacia	caaaactaac	taataactaac	atctcagacg	ctcaggaaat	agaaaccgtc	120
tgaactatcc	tgcccgccat	catactagtc	ctcatcgccc	tcccatccct	acgcatacct	180
tacataacag	acgaggtcaa	cgatccctcc	cttaccatca	aatcaattgg		230

<213> Homo sapiens

<400> 583

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ccaagggtgt tctgcctgcc tcagcctccc aaagtgctgg gattacaggt gtgagccact 60
gtgcctgacc acaggaaaac ttattttaat gagagatttg actcgaaaaga tcccgttttt 120
ttaaggctct tagttcttaa aagcggcaca taatagaatt agtataatcc caaataaatt 180
ttcagtagat ttttggtgta acttgagaag atgattctgt catttttagt gacaatttaa 240
aagacctgaa attgtctaca gccatagaaa gtgaactact gatagttggt tctgtaaaagt 300
tttattggaa cacaaccaca cctatttggt catctgtatt gtctttgggt actttgtgca 360
gagaccatgg cccacaaacc taaaacattc actttctagc tctttaagaa ataattggcc 420
cactgacacc ctggtcttaa ggtctagacc aattatttct caagagtatt agctgaatca 480
g                                                                 481

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<210> 584

<211> 306

<212> DNA

<213> Homo sapiens

<400> 584

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ccaattaaga gctaaattta caaaataatc tctatcagga ggctttaagg tttaatgtct 60
ctaaagtccc tatggatata agaggcttga atgtactgaa ttcaaatttg gtttttaaat 120
gttataatag tttaggcccg agagccacat atttctgtct aagaatagaa agcatagcta 180
gctgccca cagaatattc atatagaggt ggggggcaag aacaaaattt attcatttga 240
tacatagaaa tgggactact tagaatagac tcataataga aagcatcatc tggtttctca 300
tctcag                                                                 306

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<210> 585

<211> 308

<212> DNA

<213> Homo sapiens

<400> 585

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ccagaatggt acagagtgga ggggtgttctg ctaatgactt cagagaagta ttttaagaaaa 60
acatagaaaa acgtgtgctg agtttgccag aaatagatgg cttgagcaaa gagacggtgt 120
tgagctcatg gatagccaaa tatgatgcca ttacagagg tgaagaggac ttgtgcaaac 180
agccaaatag aatggcccta agtgcagtgt ctgaacttat tctgagcaag gaacaactct 240
atgaaatggt tcagcagatt ctgggtatta aaaaactaga acaccagctc ctttataatg 300
catgtcag                                                                 308

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<210> 586

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 105, 119, 132, 139, 140, 144, 159, 160, 208, 226, 230, 247, 250

<223> n = A,T,C or G

<400> 586

```

cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca 60
ctgaaaaatt ctaggaaagc ttattttccc ttatatTTTT atggnacttt caacacttna 120
caacactatt tnaattaann ttntttctag agtttatann atatcagtac attcttttct 180
gtggatgcaa taatatagaa tcttattnca aatcttactg gcaggntctn ttaaattctt 240

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caacggntgn catagtgatt aacccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
 atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata gtctgg 416

<210> 587

<211> 382

<212> DNA

<213> Homo sapiens

<400> 587

cctactatgg gtgttaaatt ttttactctc tctacaagggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc taccaccagg ctcggtagggt 180
 ttgtcgctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcatctt tc 382

<210> 588

<211> 307

<212> DNA

<213> Homo sapiens

<400> 588

cctactcttc tccgtccatt gtactatctg cccgtgggtg ggatggcagt aggatcatat 60
 ttgatgactt ccgagaagca tattattggc ttcgtcataa tactccagag gatgcgaagg 120
 tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaatttttag 180
 tggacaataa cacatggact aatacccata tttctcgagt agggcaggca atggcgtcca 240
 cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt 300
 ttggagg 307

<210> 589

<211> 89

<212> DNA

<213> Homo sapiens

<400> 589

cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctgggcaat 60
 acagcaagac tgtctcaaaa aaaaaaaaaa 89

<210> 590

<211> 456

<212> DNA

<213> Homo sapiens

<400> 590

cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagccatt tagtataaag 60
 cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcataag 120
 ggagtttccg atgccagagg atgaaagcaa gtgctctctc caccctctcc tcccagagtg 180
 aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga 240
 cacaaaatac tgagaggtaa ctttttatca atcaaaccac atacccaat ttaacacctt 300
 tcaatgctct gaattcaact gacagactaa aggggtgttc ctgtaacagt ctgaaatatt 360
 aagtgttttt tttgttttgt ttttaaactc tatttcagaa aacttcctct tggggtagga 420
 aagtacacat gaagcagcaa agtaacgaag aaaaac 456

<210> 591
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 591
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgac atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgcg 289

<210> 592
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 250, 316, 325, 392, 430
 <223> n = A,T,C or G

<400> 592
 cgcgttagat gcgccttttc cggcctgtgc gtctgctctg gtteectctca ggcagcaaag 60
 ctggggaagg aagctcaggc aggagcctcc ccgacaccac agcggcaca gcagcagcta 120
 aagcaccgca ctttgctctg ctaacctttt acttaaataa ggttttgcca aatccacatc 180
 tggaaccgca tcacacccat ttgcaaggat gtttgttctt tgatgaaact gcactctctac 240
 tgcacatgan ggcttttcatt gtaggacaag aggagagttc gtttattttt gtaactgttt 300
 tacatgttcc gattanttaa tcggnagctt atgtcatttg ctatgcctgt tgtcttctaa 360
 tctctcctta ctaaaacatt acttcaaatt tnaattgacc cttgtttata atttatttaa 420
 cgggatttgn gtgtc 435

<210> 593
 <211> 633
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35, 620
 <223> n = A,T,C or G

<400> 593
 ctgttttagtc agataattgt gtccgaattg attangaaaa taatagacca gccataaagc 60
 agcataaaaat attatgaaac tattccagaa gttcagtaat atctttggga cctgctcata 120
 gcccaagttt tgtgaatact tttgtagtta aaaaaaattt ttactttacc agggcattgc 180
 aattcttttc catcagtga tttcattcta cagacttttc agagcatctc ataatcagtc 240
 aacaaatcta tttcaaattg gtttgttact aagcaacggg tgctaagagc ttctgtaatt 300
 aagatgaaag ttccaaggta acaatgccca aacacagcac cattttcacc attttctgat 360
 aatgcaggag taggatggct aaaagtgaag gaagaatcta ctctatggaa agcatggcac 420
 ctgaaatttc tgaagatatt ggctgtcttc tagcttatat gagagagagt gtttgtgctt 480
 tactaatcaa ccagtcattt ttttcttggt tggctgaaat gtacattcca gacatgaaca 540
 ggtagagtat gtgtttggggg caggtttata ctgcatgggt gtgctgagac agggccacgt 600

ggtgatgtaa atgatgctgn ctgacacgtg cag

633

<210> 594

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 34

<223> n = A,T,C or G

<400> 594

```
cctttacaag atgctggtac cttgatcttg gacngggcag gctccaagat ggaaagaaag 60
tgagcatctg ctttttaggg attatccagt ctatactact ctgttctagc cacacaaaac 120
aggttaagac agaaattggg accaagagtg ggggtgttact acagcaaata cctgaaaaatg 180
tagaagaggc tttgaaatgt ggtaattgga agaagctggg agaatttgga ggagtaggct 240
agaaaatgtc tgtattttca tgaatggagc attaagaata attccgggtga ggccataggg 300
aaagtctaaa acttttcaga aattatgtaa gcgattgtga ttagtagggtt ggtagaaata 360
tagacagtaa aagcaattct gatgtgggtt cagaggaaaa tgaaaaatat tagaaactga 420
aggaaggggc atccttgcta taaactggca aagaacttgg ctgaaatgtc tccatgtcca 480
agagatttat ggcagaaatg t                                     501
```

<210> 595

<211> 383

<212> DNA

<213> Homo sapiens

<400> 595

```
ctggtcacca tcatcccttt aatcaactca cacctgttta aagagtgttt ctgatttgac 60
cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg 120
ggtctcatta tcaaacccttt acttatttcg gcataatttc tctgggcttc ttctagtttc 180
tgccttaca gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta 240
gagatggagg atggaaggat tggtagcaga agaggggctaa gatacgtttt ctgtcttgag 300
ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggc cagaggggag 360
gtgacatggt tagagtcacc cag                                     383
```

<210> 596

<211> 266

<212> DNA

<213> Homo sapiens

<400> 596

```
ccatggcctag gtttatagat agttgggtgg ttggggtaaa tgagtgaggc aggagtccga 60
ggagggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
ctttagtgtt gtgtatggct atcatttggt ttgagggttag tttgattagt cattgttggg 180
tggttaattag tcggttggtg atgagatatt tggagggtgg gatcaataga gggggaaata 240
gaatgatcag tactgcggcg ggtagg                                     266
```

<210> 597

<211> 383

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35
 <223> n = A,T,C or G

<400> 597
 ctggtcacca tcatcccttt aatcaactca caccngttta aagagtgttt ctgatttgac 60
 cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg 120
 ggtctcatta tcaaaccctt acttatttcg gcatatttcc tctgggcttc ttctagtttc 180
 tgccttacaa gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta 240
 gagatggagg atggaaggat tggtagcaga agagggttaa gatacgtttt ctgtcttgag 300
 ctgaaagcac agtctactct ctttcgtttt gtcgatgaga aagttgaggc cagaggggag 360
 gtgacatggt tagagtcacc cag 383

<210> 598
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 598
 ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagttaggc aggagtccga 60
 ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
 ctttagtggt gtgtatggct atcatttggt ttgaggttag tttgattagt cattgttggg 180
 tggtaatag tcggttggtt atgagatatt tggaggtggg gatcaataga ggggaaata 240
 gaatgatcag tactgcgggc ggtagg 266

<210> 599
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 201
 <223> n = A,T,C or G

<400> 599
 ccaattgatt tgatggtaag ggagggatcg ttgaccacgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcttgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca nataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tctttagtag ctacttgccg tgca 294

<210> 600
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 600
 agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct tatgcggagg 60
 agaattgttt catgttactt atactaacat tagttcttct ataggggtgat agattgggtcc 120
 aattgggtgt gaggagttca gttatatgtt tgggattttt taggtagtgg gtgttgagct 180
 tgaacgcctt cttaattggg ggctgccttt agg 213

```
<220>  
<221> misc_feature  
<222> 1  
<223> n = A,T,C or G
```

```
<210> 602
<211> 482
<212> DNA
<213> Homo sapiens
```

<400> 602						
tgagcataca	gcaataaaaa	taacataaatt	tntatgtgta	caatatatttat	ggaataacggt	60
actggaacag	ataaataaatt	tagttaataa	catgacaaag	aacagaaatt	gtatacacta	120
tacagcatag	taatagaata	atgaatgatt	aaagtтата	atattaggta	gaaaatgaag	180
ggtatctttg	agagcagaac	tcaaggaagc	aagcaatttg	ccttatgagg	aaagagttac	240
ctgtggataa	aggagaaact	gaaaaattta	caagtcaaga	ctttttgagc	aaaaacaaaa	300
atatgactat	gagtcaccaa	ttcagtacag	tgaaaaaaaa	gttgaagaga	tatcttggaa	360
gtaaaccatg	ttgtggaaga	gcagggtttt	gataatcatg	ggattattct	gaatgaattt	420
taaatgcgat	aggaatatat	gagataattt	caccagagaa	taatatgatc	atgtttgcat	480
tt						482

<400>	603						
gttccaacct	tcatttctga	aactgttcta	gagcactttg	tctttctcgt	agttcataac	60	
ttaccccttc	agtctagaat	tagaattaca	ttatctgttt	tactacttta	ctagactgta	120	
agctcctaga	agataaggac	tagggagttc	atctctgtat	tccaccagaa	ggtacagtga	180	
ctcataacta	gagtcttttag	atgaaactta	ctgagttgaa	taacttaata	tattttctggt	240	
ttcattccca	agggaggcca	tgtctggaga	tagaccttga	atttaataaaa	ttttagggcac	300	
tataccattt	cagtgagaaa	aattgttggg	aaatttgggg	ggatggatat	ataaggggga	360	
ggaagtcaact	gg					372	

<210> 604
 <211> 468
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> 3, 37, 199, 412, 460
 <223> n = A,T,C or G

<400> 604
 gcngttttga gtagagtttct taatcctgag ttctggnttg attgcactgt ggtctgagag 60
 atagtttgtt ataatttctg ttcttttaca ctactgagg agagctttac ttccaagtat 120
 gtggtcgatt ttggaatagg tgtggtgctg tgctgaaaag aatgtatatt ctgttgattt 180
 ggggtggaga gttctgtana tgtctattag gtccgcttgg tgcagagttg agttcaattc 240
 ctggatagcc ttgttaactt tctgtctcgt tgatctgtct aatgttgaca gtggggtggg 300
 aaagtctccc attattattg tgtgggagtc taagtctctt ttaggtcac taaggacttg 360
 ctttatgaat ctgggtgctc ctgcattggg tgcacatata ttaggacag cnagctcttc 420
 ttgttgaatt gatcccttta ccattatgta atggccttgn ctcttttg 468

<210> 605
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 605
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtg taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tctttagtagac ctacttgc 288

<210> 606
 <211> 572
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 399, 483, 488, 532
 <223> n = A,T,C or G

<400> 606
 gaatnaaatg aatgaaatag aaaatataat tgagagcttc aacaacagac tataccaaat 60
 ggaggaaaaa atttctgaac ttgaagatag atcttttgaa ataacacaag cagtggcaaa 120
 aatgaattaa aaagaataag gaaagcctaa aggatttatg agatatcatt aagcaagcaa 180
 atattcatatc tatgggcatt ccagatggaa aaaagaaggg taaagggtgag gaaatcatat 240
 ttaatgaaat aatagcagaa aatttccgga gtcttgggag agagatgagc atttaggtcc 300
 agggagctca aagaacccca aacagattca acccaaacag gtcctctctg gagcccaaca 360
 tagtcaaat gtaataagta aaagacaaaag aattccaana agcattcaag agaaaagagt 420
 caagtcataa ataagggaat ctccattagg ctaacagcag atatctcagc agaaagctta 480
 cangccanga gagaatggga tgatatattc aaagtacttg aaagcagggg tnggggaaac 540
 cctgctagct aaaaatatta tacccttgca aa 572

<210> 607
 <211> 178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37
 <223> n = A,T,C or G

<400> 607
 ctcgggggttaa tctcccagca agagggtcagg tcctggntgt gcgtcccagg gtgtcagtga 60
 aattggctgc tcccctgacc cagggcacct tcatgcgtct tcacagcagg actactgtga 120
 ccaaggccag acctttcatt tttcaaaaga ctttgactaa aaatgcttta aaaaagca 178

<210> 608
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 608
 cctgtctttg aatggatgaa atagggttaat aaagaacatc actgttttaa aactagaaca 60
 ctgaaaaatt ctaggaaagc ttattttccc ttatattttt atgggtacttt caacacttaa 120
 taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcctttct 180
 gtggatgcaa taatatagaa tcttattcca aatcttactg gcagggttctc ttaaattctt 240
 caacggctgt catagtgtt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cactctccaa 360
 atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata gtctgg 416

<210> 609
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 609
 ctgatctctc agcagaaact cttcaaacca gaagagagtg ggggcccaata ttcaacattc 60
 ttaaagaaaa taattttcaa cccagaattt catatccagc caaactaacc ttcacaagt 120
 aaggagaaat aaaatccttt acagacaagc aaatgctgag agattttatc accaccaggc 180
 ctaccctaaa agagttcctg aaggaagcac taaacatgga aaggaacaac cagtaccatc 240
 gaggctagga agaaaccgca tcaactaagg agcaaaataa ccagctaaca tcataatgac 300
 aggatcagat tcacacataa cgatattaac tttaaatgta aatggactaa atgctccaat 360
 taaaagacac agactggcaa attggataaa gagtcaagac ccatcagggt gctgtattca 420
 ggaaacccat ctcccgctgc agagacacac ataggctcaa aataaagggc tggaggaaga 480
 tctaccaagc aaatggaaaa caaaaaaagg caggggttgc aatcctagtc tctgataaaa 540
 cagactttaa accaacaag atcagaagag acaaagaagg ccattacata atggtaaagg 600
 gatcaattca acaagaagag ctaactatcc taaatatata ttgcaccc 648

<210> 610
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 610

```

ccagctcttc tctgtcacat tcctatttct gacttctgcc tggctttcag tttctgcccc 60
accttggcct tttcccagct tgaacctaata agaactccag agtttggggg gaggcccagc 120
cctttgtttt ctgctcttga agcatattca cacataaaaa gttgtattct cttacacaaa 180
ctgttttgag gctcttaccg tagtcgaagg tatcttagat cttccttagt gatctcatta 240
agaatatccg aaagtgtata accctcttca acaatctgaa acaaagatca gatccttaag 300
agctgagcag                                     310

```

```

<210> 611
<211> 254
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 39
<223> n = A,T,C or G

```

```

<400> 611
ctgtttttac atctaaagca atagactaga actgaattnt cttctacata gtaaaatcac 60
aattgtggaa ttacaggaat tctggtgata ttaaggtgaa acaacaaaac acaaaaggcc 120
ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaag 180
tgcttctcca ccaaataagg cttttttccc ctatttaagg agccagatgg attgaaagat 240
gtggaaatag gcag                                     254

```

```

<210> 612
<211> 225
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 40
<223> n = A,T,C or G

```

```

<400> 612
ctgactatat catgtcacca tcatagccaa tacaacattn ttgccatact tcctaaaaaac 60
cttttcgcat aactgatca tgctacttat cagcactttc taacatcctg accaaacaga 120
cacccacacc tcttatagag tacactgtga gagaataaca tggacttgat atggcatcac 180
acttgtttta aagcaaaaaa aaaagaaaaa gaaaagaaaa aaaaaa 225

```

```

<210> 613
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 226, 236, 243, 281, 324, 365, 370, 373, 376, 383, 400, 412,
429, 431, 458
<223> n = A,T,C or G

```

```

<400> 613
ccatcagact tcttgggtgc ctggctatat tcaatgtgaa gtaaaaaata tcccaagtct 60
tacacaaaaa tagaggctct gacttagaag tatgctttta gctttctttt taaataagac 120

```

Full "F00000"


```

attctggaag aaaaaaaaag aaaaaggaaa gaaaatcaag tttgaaacac agttaacact 180
tattttggca agaaagcaac caaaatctaa aaagcataaa ctatgngtcc aaatgnaaaa 240
ggnattacag aacaaactgc aagaggggaa aattaaagcc ncaactgaacg aaaaaataca 300
gtatgtctaa cattttggaa ttgnaattta aaccctaagg gcaaaaagctg aaaaatcatg 360
cttanacctn ggncgngacc acnctaaggg cgaattccan cacactggcg gncgttacta 420
gtggatccna nctcgggtacc aagcttggcg taatcctnng catagctgtt t 471

```

<210> 614

<211> 421

<212> DNA

<213> Homo sapiens

<400> 614

```

gttatttttt agaattggctc tcccatcttg agtatgtgtg atgtttcctc atgtatgaat 60
gaagcatata catctttgtc agaagtatcc cagaagcaat tctgtactct cctcattatg 120
ttctattggg tgggccatgg tttttgattt gtctcattac tgatgatggg tacttttatt 180
atttgataaaa gtttgtatat aacttatcta ttatggcata atacattagc taaaaccttg 240
gcggtgtaaaa acagcagata cttacgtttc tcataggaat ggctctattg agtacctctg 300
tctcaaggct tctcaagagt ttgtagctac cttgttggct ggggttgcgg tctgacctaa 360
aggcttagtt aggggggtgg agaaatcttc catatgttct ttgctacgtg gacctcacag 420
g 421

```

<210> 615

<211> 242

<212> DNA

<213> Homo sapiens

<400> 615

```

cctcctatatt attctagcca cctctagcct agccgtttac tcaatcctct gatcaggatg 60
agcatcaaac tcaaactacg ccctgatcgg cgactgcga gcagtagccc aaacaatctc 120
atatgaagtc accctagcca tcattctact atcaacatta ctaataagtg gctcctttaa 180
cctctccacc cttatcacia cacaagaaca cctctgatta ctctgccat catgaccott 240
gg 242

```

<210> 616

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 79, 91, 105, 110, 128, 141, 149, 163, 172, 178, 193, 206,
215, 264, 270, 276, 284, 297, 305, 315, 335, 342, 350, 351,
359, 373, 392

<223> n = A,T,C or G

<400> 616

```

cctaatttgt agattgtgaa agcagctttt agtttaactt atttacagac cccttataat 60
taccatgttt tttttttnt tcctaaatct ntgggttcag cttgngaasn ttacgtgccc 120
gtaaagtngg gatgttgaat nggcccttnt ttgttctggc agngagtcaa gngtccanca 180
ttttttcata agngtttttt aaaatngttc tccancattt tatggctcct ccctcccatg 240
tcctcaaacc cagcaaaagc gtanaggcan aattanagga ccnccccggg cggccgntaa 300
gggnaattc cagcncactg gcggccgtta ctagnggatc cnagctcggg nccaagctng 360
gcgtaatcat ggnccatagct gtttctgtg an 392

```

<210> 617
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 617
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactac cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
 ttgtcgccctc tacctataaa tcttcccact atttt 215

<210> 618
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8
 <223> n = A,T,C or G

<400> 618
 cttttgtntg cctgttttgt ggactggctg gctctgttag aactctgtcc aaaaagtgca 60
 tggaaataaa cttgtaaagc ttcccacaat tgacaatata tatgcatgtg tttaaaccac 120
 atccagaaaag cttaaacaat agagctgcat aatagtagtt attaaagaat cacaactgta 180
 aacatgagaa taacttaagg attctagttt agttttttgt aattgcaaatt tatatttttg 240
 ctgctgatat attagaataa tttttaaatg tcatcttgaa atagaaatat gtattttaag 300
 cactcacgca aaggtaaagt aacacgtttt aaatgtgtgt gttgctaatt ttttccataa 360
 gaattgtaaa cattgaactg aacaaattac ccataatgga tttggttaat gacttatgag 420
 caagctgggtt tgg 433

<210> 619
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 619
 ctgcagtgtc cctttttata tcatgctagt gttgagacat acttgactaa cttgggaaca 60
 gttcgatata ttgacaaccg tcaacttaag aaaatcaaca gcttttggcc ccagcgtcca 120
 agtgaacttt tcatggagtg cagaatctca aatggacaaa atactttgtc tttttaaata 180
 ctgaaaattt aattattagt actatgactg aaagattcct catggctaaa aagctctgca 240
 tcaaaactcaa ttcaggagg 259

<210> 620
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 620
 ccaccaaagc cacacggaga ttctgtcagg cgctgagaca ccacagcctt ttcaatctta 60
 gggaaagaaa tcaagtcata taaattaata tcaacaggta aggtcattga gcaattgtct 120
 ttcaactgtc taagacttta tcacttaaga tcataaacac agaagcagggt cataaaaaata 180
 gcttttctta aggttttaga gaattttagt gggcacttac ttgataatct gaattttcta 240

```

gtcagaagtt taaataccac cttttaaaaa cataaaattt aatttgtaac aagttattaa 300
caaagcagta ttgtcgaaag ttttaagctt tctcccaata atttaattac attaatataa 360
tttttaccat tctaattggtt acaaagtaac cag 393

```

<210> 621

<211> 563

<212> DNA

<213> Homo sapiens

<400> 621

```

ctgacaatga taaaattatc tctatatggg caaacgcgtg ctctttgtcg aagaagaaag 60
cttcagcttc atgttccagg tgagttaatt aggcaatga tgaatgctaa tatctctttc 120
acatatTTTtG ctttaagatct gtcttaggac tctcgtctgg cccatatggt tttccaaggg 180
cagaagggcc tctttttgat gagaggcagt tttcagtaac tcttaaagtg ataacagcaa 240
aggagaggag agagaagagt aagacaaatc gaaacattct tcaattgctt cttggccttt 300
tggctaagct caagctcaaa acagggtcttc aaggagaaaa tacatcacia agaaaaggat 360
gttttatttc ttaccttggt ctagaaaaat ttccataaac tctattggct taattctgta 420
aacttgacca atatcagagt gcttcctacc aaggagggtg gctgatgagc gtgaccatgg 480
tacatcctag aagaatgtgt gatgaagaag ctttcaccgt gtaaaagagt tgaaaattat 540
tcaaggagac attatggtct tgg 563

```

<210> 622

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 194, 436, 484

<223> n = A,T,C or G

<400> 622

```

tcttaagtgt gtttaataga taaagtaaac tttcctagtc aagggttaga tttttattat 60
ctcttggtgt cgcactttct acttttcaac tttgaacttc aaaaaaacat tactttgctt 120
atcctttgta ctttgatcag gttggttaga attgtagatc aaaccattct ttgatcattt 180
tattgtttaa atgnntagtt ccatttataa tttttatagc caactctcgg ttattttctgt 240
cttttgagat tgcaattcag aagctgtatg tcgaagtaat ttatgagttg acttttatac 300
ttaggcttct ttaaatacta atagtcaaga attctagagc atctaataaa aaattaactt 360
tcgatcattt gggaatctgt cctcatttaa atatgtgtaa atgcatttcc acagcaaatt 420
gcttcatgcc ctttgncat aaggaaatta ttccttgtag ctaatacatt tttcattttg 480
cagnccaaat cttttttgag aaagg 505

```

<210> 623

<211> 489

<212> DNA

<213> Homo sapiens

<400> 623

```

cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaaggagg ttttagagggt tctgtgggca 120
aatTTTaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagg 180
ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ctttgcaaag 300
ttattttctag ttaattcatt atgcagaagg tatagggggt agtccttgct atattatgct 360

```

```
<210> 624
<211> 233
<212> DNA
<213> Homo sapiens
```

```
<210> 625
<211> 459
<212> DNA
<213> Homo sapiens
```

```
<210> 626
<211> 458
<212> DNA
<213> Homo sapiens
```

```
<210> 627
<211> 393
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 5, 6  
<223> n = A,T,C or G
```

<400> 627

```

ccatnngaac gcactcagga ggtggtttgt tctggatgca gaaaccagag atctagtttc 60
tatccacaca gacgggaatg aacagctctc tgtgatgcmc tactcaatag atggtacctt 120
cctggctgta ggatctcatg acaactttat ttacctctat gtagtctctg aaaatggaag 180
aaaatatagc agatatggaa ggtgcactgg acattccagc tacatcacac accttgactg 240
gtccccagac aacaagtata taatgtctaa ctcgggagac tatgaaatat tgtactggga 300
cattccaaat ggctgcaaac taatcaggaa tcgatcggat tgtaaggaca tttgattgga 360
ccgacatata cctgtgggct aggacttcca gga                                     393

```

<210> 628

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 35, 36, 192

<223> n = A,T,C or G

<400> 628

```

ctggatttat aaaatagttg aatgacaaaa gaagnntggt ttgacagtaa aaaaaagaca 60
ttatggacaa aatatgcaaa atgtgcaaa aaaaaataaa tttgcattag aaagggtggc 120
atttgatctc tgagccctgt gccatgtaac attgccatgt tctttcactg ttgtttgaat 180
gttgtagccc ancccttgac tctggactta aggcaagcta tgactggctt tgg          233

```

<210> 629

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 3, 11, 240

<223> n = A,T,C or G

<400> 629

```

cenggacaat ntaggcagga gaaggaaata aagggtattc aattaggaaa agaggaagtc 60
aaattgtccc tgtttgaga tgacatgatt gtatatctag aaaaccccat tgcctcagcc 120
caaaatctcc ttaagctgat aagcaactcc agcaaagtcg caggatacaa aatcaatgga 180
cacaaatcac aaacattctt atacaccaat aacagacaaa cagaggccaa atcacgagtn 240
gaactctatt ccaattgctt tcaagaaaaat taaaatacct agggatccaa cttacaaggg 300
acatgaagga cctcttcaag gagaaactac aaaccactgc tcaatgaaat aaaagaggat 360
acaaagaaat ggaagaacat tccatgctca ttggtagctt gatggggatg gcattgaatc 420
tataaattac cttgggcagt atggacctca                                     450

```

<210> 630

<211> 486

<212> DNA

<213> Homo sapiens

<400> 630

```

cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120

```

```
<210> 631
<211> 211
<212> DNA
<213> Homo sapiens
```

```
<210> 632
<211> 293
<212> DNA
<213> Homo sapiens
```

<400> 632						
cagcgcaagt	aggtctacaa	gacgctactt	cccctatcat	agaagagcgt	atcacctttc	60
atgatcacgc	cctcatagtc	atTTTTcctt	atctgcttcc	tagtcctgta	tgcccttttc	120
ctaacactca	caacaaaact	aactaatact	aacatctcag	acgctcagga	aatagaaac	180
gtctgaacta	ngctgccggt	catcatccta	gtcctcatcg	ccctcccatc	cctacgcata	240
ctttacataa	cagacgaggt	cnacgatccc	tcccttacca	tcaaataaat	tgg	293

```
<210> 633
<211> 263
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 1, 194  
<223> n = A,T,C or G
```

```
<400> 633
nggtctgcag tgtccctttt tatatcatgc tagtgttgag acatacttga ctaacttggg 60
aacagttcga tatattgaca accgtcaact taagaaaatc aacagctttt ggccccagcg 120
tccaagtga cttttcatgg agtgcagaat ctcaaattga caaaataactt tgtcttttta 180
aatactgaaa attnaattat tagtactatg actgaaaagat tcttcattggc taaaaagctc 240
tgcacaaac tcaattcagg agg                                     263
```

<210> 634

<211> 491
 <212> DNA
 <213> Homo sapiens

<400> 634
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tgcaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
 ttgtcgccctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctc ctttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcatctt tcccttgccg tactatatct attgcgccag gtttcaattt 420
 ctatcgccct tactttattt gggtaaattg tttggctaag gttgtctggt agtaagggtg 480
 agtgggtttg g 491

<210> 635
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 635
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gtagtatta gtagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgac atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg 270

<210> 636
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 636
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
 ttgtcgccctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctc ctttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcatctt tcc 383

<210> 637
 <211> 537
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26, 516
 <223> n = A,T,C or G

<400> 637
 ttttaatcct ggggtatata ggcagnactt taaattgcaa agtcttccgg gcctattttc 60
 ctctacatct ttgtaattaa ctctgggggc ttacttggtt tggcagtact gaaatcaaag 120

```

gagctgggttc ttcttttctc ccaattatth tcatatgaaa gcacctacaa ttagcctgtt 180
agtcctattc agatacatca aatatcagtg aatgctttac tattegcaca ttttaagcatc 240
tttgttttac ataaaattag agtatgaaaa ccagtggttca attttttatc ttgttgagct 300
tgtaaaatgc cagcaattta aaactaggac ttttcccccc ataagccaag gaggtagaat 360
tactaataca aggggttaaa aaggtagatt ttgttttcaa tatttgggta atattagaaa 420
gattcttccc acaggaaga actagcaagt gtcccaattt tttccaaacg ttggggaggg 480
gaaaattcac tgtatcatga aaccctaagg gtttgngtgc acttctgct ttttagg 537

```

<210> 638

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15

<223> n = A,T,C or G

<400> 638

```

ccagcagaac acagnagtga tttggtcccc tttgttcccc agtgggggtat ctatccttgt 60
gcagggcaca agcctacatg gtggctctgg tcatatcatt agaaaataga cagaaatggg 120
ctgcacacca gaatgaatga attgaattga aaggaggagg tgatggtgga aaaaaaaca 180
agtcaattca tttagactgg tagaaccaga accactgtgt agtacatcca aacgggttaa 240
attccctgga agatgttaca taatcctatc atgggtgttta tttatggaaa tctattttaa 300
aaattttatg taatactgca cagtctgttt gcatgatgcc ttgtacgtag tagcaactca 360
gtaaataactt tttgaatgaa ctagtatagt attttaatta gctagtcttc gtgtactggt 420
acaaaagaac agtgtcatct tacag 445

```

<210> 639

<211> 584

<212> DNA

<213> Homo sapiens

<400> 639

```

gcttgagtat tctatagtgt cacctaaata gcttggcgta atcatggtca tagctgtttc 60
ctgtgtgaaa ttgttatccg ctacacaattc cacacaacat acgagccgga agcataaagt 120
gtaaagcctg ggggtgcctaa tgagtgaagt aactcacatt aattgcgttg cgctcactgc 180
ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg 240
ggagaggcgg tttgcgtatt gggcgtctt ccgcttcctc gctcactgac tcgctgcgct 300
cggtcgttcg gctgcggcga gcggtatcag ctactcaaa ggcggtaata cggttatcca 360
cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga 420
accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgccccct gacgagcatc 480
acaaaaatcg acgtcaagt caagagggtg cgaaacccga caggactata aagataccag 540
gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgac 584

```

<210> 640

<211> 404

<212> DNA

<213> Homo sapiens

<400> 640

```

ccataggaac gcactcaggc aggtgggttg ttctggatgc agaaaccaga gatctagttt 60
ctatccacac agacgggaat gaacagctct ctgtgatgcg ctactcaata gatggtacct 120
tcttggtgtg aggatctcat gacaacttta tttacctcta tgtagtctct gaaaatggaa 180

```


[illegible]

```
<220>
<221> misc_feature
<222> 127
<223> n = A,T,C or G
```

```
<210> 642
<211> 381
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 372
<223> n = A,T,C or G
```

```

<400> 642
ctgtaggtgg aatttttacc cagaaaagat aggccctaga agcctcattt cttttctcca 60
tggaaaagga cagccctctg ctgcagcgtt caacttgtgt gtttactgac agagtgaact 120
acagaaatag cttttcttcc taaggggat tgttctacat tttgaagtta ttttttaata 180
aaattgaatt atgttgtgtg ttgtgcttcc taataggaaa tgcattattg gactgttttt 240
gtacacatct gtttatttgc aatagctagt atcgttcaaa aactgtataa aatacttttg 300
tacatatctg caatgtctaa ttgtatataa cttcagttaa atttccctaa aacttgaaag 360
qqqaccttqt anaaatttaa a
381

```

```
<210> 643
<211> 403
<212> DNA
<213> Homo sapiens
```

<400> 643						
ccttcctaaa	aaatagtgg	gagctggagg	ctacttccgc	cttcttagcg	tctggtcaga	60
gagctgatgg	atatccatt	tggtcccgac	aagatgacat	agatttgcaa	aaagatgatg	120
aggataccag	agaggcattg	gtcaaaaaat	ttggtgctca	gaatgtagct	cggaggattg	180
aatttcgaaa	gaaataattg	gcaagataat	gagaaaagaa	aaaagtcatg	gtagggtgagg	240
tggttaaaaa	aaattgtgac	caatgaactt	tagagagttc	ttgctattgga	actggcactt	300
attttctgac	catcgctgct	gttgctctgt	gagtcctaga	ttttttagtc	caagcagagt	360
tgtaqagggg	gataaaaaaq	aaaqaaaattg	qatgtattta	caq		403

<210> 644

<211> 688
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 653, 666
 <223> n = A,T,C or G

<400> 644
 cctatttatt tgttttggcc ctggatcttt cctaatacaca attatatattc tttatttttg 60
 cctttgagca gtttcattta tctttgtggg caggggaagat taaatatgaa attcagtcga 120
 gtcattttgc tactggtag ctttagtttg aggcaagtaa aaatttttga ttaaaattag 180
 tttcttaaaa ttatgccctt gctttaccaa ataatacaat tggctaataa ataagggtat 240
 gtaactttgc attttgaaga acaaaccaat aatttttcat gagccctact cgatcttctt 300
 taaagaagac ctctctaaga gacaattagg gatgagtttg attaattggga aatagctcta 360
 ggtagatta ttttaaattc catacaccaa gtgatttaac cacagtggca gtggcagctt 420
 ctgaaccgtc aagtatgaac atcacttaaa aattaaaaga tgcttaataa taaactctta 480
 attttcatta agccaatctg taattcagaa gaaaagcata tgtctgccat gggactattg 540
 cagtgcgtct ccatcagtg taacacagga gagatatgtt attttatgtg tatgtcttag 600
 tttgggatat gtggtagtaa gaacatgtca agagtgtctt tcttcaaacc tgnacagctca 660
 actgangaaa gacaggtact tccattgc 688

<210> 645
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 460
 <223> n = A,T,C or G

<400> 645
 ccaaattgtgt ctccagccca cacttccagg tggcagagcg agctctctat tactggaata 60
 atgaatacat catgagttta atcagtgaac acgcagcgaa gattctgccc atcatgtttc 120
 cttccttgta ccgcaactca aagaccatt ggaacaagac aatacatggc ttgatataca 180
 acgccctgaa gctcttcatg gagatgaacc aaaagctatt tgatgactgt acacaacagt 240
 tcaaagcaga gaaactaaaa gagaagctaa aaatgaaaga acgggaagaa gcatgggtta 300
 aaatagaaaa tctagccaaa gccaatcccc aggtactaaa aaagagaata acatgaaaac 360
 gccagggtt acttgaatgt ttttataaga taggaatata tgtcttcacc atgggggggg 420
 gtctcgatt tcactaacgt tgtatatgaa aatgggtgcn ataaaaagta cttttaaact 480
 ttgt 484

<210> 646
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 413
 <223> n = A,T,C or G

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<400> 646

```

gggtcgcggtt gaacaacttg gttcaagatg gtgggggcat ttttagagcg gcaataattg 60
aaaaaaaaagg cgaactctgc cttggagagg tagatgataa gaaataaaaa ggtgtttata 120
actattttgtt attataaagt gggccttaga gataggaaga agaattgatg attccttttg 180
gatcaatcag aaaggaaaca cgaaagaaaa gtcaggaagg tagagagaga aaaaggagg 240
gaaggagaaa gaatgggaat aaaataagga ggtaagagat actatttttg ctgagcaacc 300
agtgtgtttc aggatgatac aaagaaaaat atagaataga aataagtga ggcttggaat 360
cagctacaaa tcctaaagat ggggtgtgtg tggatgtgtg tgtgtgtgtg tgnacaccat 420
tgtgtgtttg taaaatgtgt atgtccc 447

```

<210> 647

<211> 388

<212> DNA

<213> Homo sapiens

<400> 647

```

gaagggtgata taaaatgact gtcattcattt ggagtgtgca gtacagttac ttcattgttcc 60
tcagggttagt aacaatttcc cctgcaagtt ctcacacaga taggcagaaa tcataactaa 120
ttttgggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg 180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct 240
aggagaaaaac ttaattgaaa tagtgattatt aagtgttgaa agtaccataa aaatataagg 300
gaaaataagc tttcctagaa ttttccagtg ttctagtttt taaacagtga tgttttttat 360
taacctatatt catccattca aagacagg 388

```

<210> 648

<211> 632

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 24, 33, 483, 539, 626, 629, 630

<223> n = A,T,C or G

<400> 648

```

cctggctggg cntttgacct gcgnttttaa atnactcaca gaggggtgga caggaggaag 60
agtgaaggaa aaggtcaaac ctgttttaag ggcaacctgc ctttgttctg aattggtctt 120
aagaacatta ccagctccag gtttaaattg ttcagtttca tgcagttcca atagctgac 180
attgttgaga tgaggacaaa atcctttgtc ctcactagtt tgctttacat ttttgaaaag 240
tattattttt gtccaagtgc ttatcaacta aaccttgtgt taggtaagaa tggaatttat 300
taagtgaatc agtgtgacct ttcttgtcat aagattatct taaagctgaa gccaaaatat 360
gcttcaaaaag aagaggactt tattgttcat tgtagtcat acattcaaag catctgaact 420
gtagtttcta tagcaagcca attacatcca taagtggaga aggaaataga tagatgtcaa 480
agnatgattg gtggaggagg caagggtgaa gataatctgg gggtgaaatt ttctagttnt 540
cattccgtac atttttagtt agacatcaga tttgaaatat taatgttacc tcctcaatgg 600
ggtggtatca gacctgcccg ggcggncggn tc 632

```

<210> 649

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 15
 <223> n = A,T,C or G

<400> 649
 nggtgaagat agaanaaata taagcgaaat tggataaaat agcactgaaa aaatgaggaa 60
 attattggta accaatttat tttaaaagcc catcaattta atttctgggtg gtgcagaagt 120
 tagaaggtaa agcttgagaa gatgaggggtg tttacgtaga ccagaaccaa tttagaagaa 180
 tacttgaagc tagaagggga agttgggttaa aaatcacatc aaaaagctac taaaaggact 240
 ggtgtaattt aaaaaaaact aaggcagaag gctttggaag agttagaaga atttgaagg 300

<210> 650
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 4, 8, 26, 255
 <223> n = A,T,C or G

<400> 650
 ngtnctgnta aacagaaggg tacaangccc ttctggcttt aagcagtcac aggaatgtga 60
 cagacattcc tcttagggag cgcctcctcc tagggtttcc tcatctgtct cactactgagt 120
 ggatgtaatg ctattttaat cctgctgtgg cccccaatac tagtacttgt ccataccttc 180
 ttgcattttt agcgtctgct ctgtgggggtt gttaggccct ggcaactcca ggaactagt 240
 ctaaagctgc atctntctct cccctctagg gatcgataaa gtttactgc agaaagtctc 300
 cactgcggtg tgctgacatc tgccctgaac cttcacccca cagcattaca ggctttaatc 360
 agattctgct ggaaagacac aggtgatcc acgtgacctc ttctgccttc actgggctgg 420
 ggtgatcctt ggtgccttg tttccacaag gccttttctt gccccctgcc ttgccaaaga 480
 catttaatca gcacacag 498

<210> 651
 <211> 654
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 149, 268, 375, 508, 578, 595, 615
 <223> n = A,T,C or G

<400> 651
 ctgagggtcc ccagggtttct aaagctctca ggacgagaaa gtaggtccca agataaggag 60
 cctaaagggc ttttttcttt ctgtgtattc cttcttggcc tccaacatgg gtacagtcac 120
 aagagcatgt aacagagaag aaggactana cctaccattt tctggataaa gaattggaaa 180
 gaggatccac aggtaaccaa aaagtaccag ggaaatggca gagaaggaaa acctcaggag 240
 accaacctca taagtggat ttattagngc ctgggctcaa atccaaattg tacatgaata 300
 tgtctgggtcc tagatagggt accgaagact ttgaaagtga attttggtat atcattgccc 360
 agattccaga ctggnatttg tgtgacacaa catacaggat atatctgaat agtgctcaga 420
 agagtttgaa aatgcaaatg atattaaaaa aaagatgaaa aagagaaagc tggtcagaac 480
 ttgtggacat aacccttctg gatctgtngc ctgattaaaa aatagttgat attctcgaat 540
 gaattaaaac aagatttaga gactgagcat ggtagctnat tcttgtaatc caacnctttg 600
 ggagggcaag gcaanagaat tgcttgccgc caggagtttt gagaccagct tggg 654

<210> 652
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 193
 <223> n = A,T,C or G

<400> 652
 ngctctgttgc actgaggtga ctaaggatac attttgagga agtagctcca agaacatttc 60
 cattttcact gtgccttcac atacatctaa tggaaatgaa cagcaccctt catccatcca 120
 cggaagcgat taagaaaagg gtgggatgga aaaattaacc caacaatatt agatcaatac 180
 gtagtattta agngtccata atgtgccagg ctgaagatgc acgggaaaac cactactagcc 240
 ggtctgtcaa gggcttgaga ataccataaa caagaaaaca gacgaaccaa ttt 293

<210> 653
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 653
 ngtcaccacc tgcagcccta catacagttg aaaaaaaatt ccattctggt aacatttggt 60
 ttataagttt tcacgcaata cacaaaaaac ccctctgcac ttcttgtaaa gaacaaaaaa 120
 gatacacaa acgttaagcgt aaagatcaca ggcaatagca ttcaaactat gatgtgggta 180
 gagaaaggag tacctggcat gagtacctgc ttagtttgac tgaatccttg atttttaatt 240
 tggcttttca tgggccgctc acaacaccaa cgctgtgtga ggtatggtag tcag 294

<210> 654
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 654
 ctgtccttga acaagtatca atgtgtttat gaaaggaaga tctaaatcag acaggagttg 60
 gtctacatag tagtaatcca ttgttggaat ggaacccttg ctatagtagt gacaaagtga 120
 aaggaaattt aggaggcata ggccatttca ggcagcataa gtaatctcct gtcctttggc 180
 agaagctcct ttagattggg atagattcca aataaagaat ctagaaatag gagaagattt 240
 aattatgagg 250

<210> 655
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 655
 ccattataat ttataaacac cattaccctt taaattctac cgattataag cagcgtaaaa 60

CCDS:100000.1 Homo sapiens

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gtaactatat aaagcaaaca tcgcaaagga actctgcagg agctcttaat tcctttatgt 120
agctatcata aaattcactt tcctgaagac atttactctc attcacttcc aaactccaaa 180
cctttttctg gtagcaccac ttttgTTTTT aatagaaaga tgagttcata tctgtacatc 240
tctccaaagc tctaaggaat gagaaaagga tcctagtata ttgaaattac tgatgtttaa 300
tacctctgcc ttttacttaa aagccattta atatttttaa agtcaaaact tgacatacag 360
gtattttataa ggaatctcca tgactctgaa ggaatgaaat tgatgtaggt agctttggct 420
atgtaaagac atagtagagg acaattactt aaagaagagt tttcttttga ggattttag 480
atttgactaa gcag 494

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<210> 656

<211> 477

<212> DNA

<213> Homo sapiens

<400> 656

```

cgcgttactg tacatatgtc tagcaggaga caactggaaa tactaaacaa atactggaat 60
tcacattaca gacagacgaa accaacatgg atgccacaca taacttcctt tgtagtttca 120
cagagggcct atttgtggtt gtcagggtgg ggtcatacat tgcttgaga aatggcctga 180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg 240
aaagaaatgt tgettccagt gtgctaagtt gagataataa tatttcacat atttatatac 300
agagaatcac tctcaaattt aaccacaagt aagcaatagg atttgggggt gacttgtaca 360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta 420
tagtttgagt gtagggattc agtaatcaaa ggttggttatt gcaaaagagc caggcag 477

```

<210> 657

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13

<223> n = A,T,C or G

<400> 657

```

cctctacctg tanatcacta tttttctaaa gacaatttgg tgttttgaag ataaatgtca 60
ttagtctatg ataatagcat cataggacaa ttagccattt tagacttgac catattttct 120
cttttttagca tatagccatc ttgatattta ggtgggagac tactccaatg gagcaacagt 180
ttcattttac atgattggat ttagaaattt acaaatTTTt aactcataag aattctaaat 240
aatttgaaaa tggaaacatt tgaccacag tctagcagca taaatacatt tataaaatac 300
ttcattgttg atcttaggtc attgatttaa aacagaattt ggtgactatg ggcaggtgga 360
ggggggccagt gaggaaggta taaaagagaa atctttatga attgtgttca gattgatttt 420
gtataaacat aatatattca tggttgtatc tcttatttat aatacccaac taacatgaag 480
gtgggtccaag ggaaggatca atatttttaa taacatattt gcttaaaata tcatacagt 540
gctgcttcat aaaaaatctt ataaactttt attacc 576

```

<210> 658

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14

<223> n = A,T,C or G

<400> 658

```
cctgaaaaga aagntgctct tatggactct tgcattgttaa gactatgtct tcacatcatg 60
gtgcaaatca catgtaccca atgactccgg ctttgacaca acaccttacc atcatcatgc 120
catgatggct tccacaaaagc attaaacctg gtaaccagag attactgggtg gctccagcgt 180
tgtagatgt tcatgaaatg tgaccacctc tcaatcacct ttgagggtta aagagtagca 240
catcaaaagg actccaaaat cccataccca actcttaaga gatttgcctt ggtacttcag 300
aaagaatttt catgagtgtt ctttaattggc tggaaaagca ccag 344
```

<210> 659

<211> 230

<212> DNA

<213> Homo sapiens

<400> 659

```
ctgctttccc tgctaaacag ttccagagca aaagcagcaa aaagaaaata tgggagggat 60
atgggcaacg tatactcgaa cgtacgcaga gaagagagta cggtagctc taatatattct 120
cattgaactt ggtggatgtt gccttccttg catataaggc catagtgtt ttttgggagc 180
gctagaatat ccatccactt gacagtgtac acaaaatagg ctgtttccag 230
```

<210> 660

<211> 80

<212> DNA

<213> Homo sapiens

<400> 660

```
ctggtccttg ttaaactcga tcaccacttt ggagagatcg actggagggt cctgggtgtt 60
ctgagggggc tgggggacag 80
```

<210> 661

<211> 535

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 411, 413, 416, 422, 439, 470, 471, 479, 490, 492, 496, 501, 511

<223> n = A,T,C or G

<400> 661

```
ctgaaccata tctgattaac tctttgggtct ctgttattgg aacaaaaccg acgctatgcc 60
tgcagccgcc agactgcaac caaaaacaca gtttgggggtc agaagacatt aaaaatcaca 120
ataaaatagg atgaatgttc taagtacgcg aactgaatca aggcaccttt ttttttcaaa 180
agcaaaaagt tgtttaacaa tattccagaa tagtagatag ttcaaaaacc agattacagt 240
atatatcatt ttgctgcaca ttttagtcta ttttctgtat acatagtac acattcttta 300
ccctctccca acttatacat gctttatccc cccagtcatg tgctatgtag gtataaaaaa 360
ataaagtgtt atctaaacaa gtgattttaa aaaaaaaact aacgaatgcc ncnatnataa 420
cnctgaactt gtttccctnt tgaaggacat tggaaatgtt accgaggttn ntttacctng 480
gccgcaaccn cnctangggc naattccagc ncactggggg ccgttactag gggat 535
```

<210> 662

<211> 257

<212> DNA
<213> Homo sapiens

<400> 662
cctgactaaa gcacatatca cactccctac acttccatgt tttctctccc atgtggaccc 60
tctgatgcat atcaagattc aagcgctgt tgtagccctt cccacagtcc tcacatttgt 120
atggcttttc tacactgtga actttttctt gcactttaga gaatgaattc tgtacaatgt 180
tcttcccatg ctgctcacat ttgagaggtg tttctctgct gtggcgtctc tgatgggtca 240
gacgagttga ggaccag 257

<210> 663
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 36
<223> n = A,T,C or G

<400> 663
ccaattatag gtattttatt ttttaaagat tagagngttc ttgaagctct ttctatttct 60
ttgtcaatga actaaacatt ggcaaatatg taggggtttcc cacataagaa cattattaac 120
atcaaaatag aaagctggtg gtagaaataa tgattgggaa cacagagtct ctactcagcg 180
ttctacttct gccataccat aactttgtga tctcacgaaa tatctctcca tgttctcatc 240
cctatgtata gttctgtcat ttttcaataa gagctttttg ctttaattatg aagtactagt 300
tactataacc attattttga gcttcatgta aatcaagaac acatggactc cacttgcaaa 360
acattgaaaa tgtagttagg gattgggggc aaaaagcaac attttaaaat gtgtaaagac 420
aatgagtaag caacaaagtg tccaattttt taggcgaaaag ttgcatatgt caggaaaagg 480
caggattaag taatagagaa tttgaatgat aactgg 516

<210> 664
<211> 212
<212> DNA
<213> Homo sapiens

<400> 664
gtccgaggag gttagttgtg gcaataaaaa tgattaagga tactagtata agagatcagg 60
ttcgtccttt agtgttgtgt atggctatca tttgttttga ggtagtttg attagtcatt 120
gttgggtggt aattagtcgg ttgttgatga gatatttgga ggtggggatc aatagagggg 180
gaaatagaat gatcagtact gcggcgggta gg 212

<210> 665
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 11, 18, 24, 270, 271, 275, 277, 280, 281, 287, 291, 295,
298, 319, 325, 335, 337, 341, 344, 356, 360, 371, 375, 376,
388, 390, 401, 407
<223> n = A,T,C or G

11 18 24 270 271 275 277 280 281 287 291 295 298 319 325 335 337 341 344 356 360 371 375 376 388 390 401 407


```

<400> 665
atccaggggt ncccggtngc tgcngggaaa cctccagcct tgttcttcaa accactcagc 60
tcatgtgttt tgcgctgact agtactgaat aatacaacca ctcttattta atgttagtat 120
tatttatttg acaactcagt gtctaacagc ttgatatgca ggtccttgca tcttacattt 180
ctttaggaag ttacccattt gtaactttaa aaacaggaaa aatatcagtt ggcaaattgca 240
atcttttttt tttttaagct aaaggggggn naacngnaan naaaatnttt ntgangtngg 300
gtctataagc acccttgang ggatntgtta aaagngncat naanggggga ttctcntttt 360
gcaaaaaaat ntaannatca atttatanan ctttattttt nactttnt 408

```

```

<210> 666
<211> 635
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 7, 503, 540, 564, 577, 581, 616, 635
<223> n = A,T,C or G

```

```

<400> 666
ctgaagnaca agggctcaggc aaaaataaga tcacaatcac caatgaccag aatcgccctga 60
cacctgaaga aatcgaaagg atggttaatg atgctgagaa gtttgctgag gaagacaaaa 120
agctcaagga gcgcattgat actagaaaatg agttggaaag ctatgcctat tctctaaaga 180
atcagattgg agataaagaa aagctgggag gtaaaccttc ctctgaagat aaggagacca 240
tggaaaaagc tgtagaagaa aagattgaat ggctggaaag ccaccaagat gctgacattg 300
aagacttcaa agctaagaag aaggaaactgg aagaaattgt tcaaccaatt atcagcaaac 360
tctatggaag tgcaggccct cccccaactg gtgaagagga tacagcagaa aaagatgagt 420
tgtagacact gatctgctag tgctgtaata ttgtaaatac tggactcagg aacttttgtt 480
aggaaaaaat tgaaagaact tancctctga atgtcattgg aatcttcacc tcacagtgnn 540
gttgaaactg ctatagccta agcnggctgt ttactgnntt ncattagcag gtgctcacca 600
tgtctttggg gtgggnnggg ggagaaagaa agaan 635

```

```

<210> 667
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<400> 667
gaaggtgata taaaatgact gtcattcattt ggagtgtgca gtacagttac ttcattgttcc 60
tcaggttttag aacaatttcc cctgtaagtt ctcacacaga taggcagaaa tcataactaa 120
ttttggttaa tcaactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg 180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct 240
aggagaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataagg 300
gaaaataagc tttcctagaa ttttctcagt ttctagtttt taaacagtga tgttttttat 360
taacctattt catccattca aagacagg 388

```

```

<210> 668
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 417, 470, 484

```

<223> n = A,T,C or G

<400> 668

```

tgatcttaac aaaattcgta gcagtggaac cttgaaatgc atgtggctag atttatgcta 60
aaatgattct cagttagcat tttagtaaca cttcaaagggt ttttttttgt ttgttttcta 120
gacttaataa aagcttagga ttaattagaa gaagcaatct agttaaattt cccatttgta 180
ttttattttc ttgaatactt ttttcatagt tattcgttta aaaagattta aaaatcattg 240
cactttggtc agaaaaataa taaatatatc ttatgaatgt ttgattccct tccttgctat 300
ttttattcag tagatttttg tttggcatca tgttgaagca ccgaaagata aatgattttt 360
aaaaggctat agagtccaaa ggaatgttct tttacaccaa ttcttccttt aaaaatntct 420
gaggaatttg ttttcgcctt actttttttt cttctgtcac aatgctaagn ggtatccgag 480
gttnttaata tgagattt                                     498

```

<210> 669

<211> 622

<212> DNA

<213> Homo sapiens

<400> 669

```

ccttagccaa agaatgcagt ggagccttcc cccttcaact gcattgtgaa tgaataccaa 60
ttaacagcat aaaaaattaat agtcccatat cagatctgga aggggtttct ggggctgtct 120
gatgtcccta tcctgttgta gtgaacacaa tagcagaaaa ttctttctgg gtccatctgc 180
tataaagtct tggtaaaaca gcattactat gaagaggatg aactcaccta ccttcagatg 240
gaggaaaagt gaaaaggact taggcttttag tcctccatga cttttcttaa gcactaccta 300
cctgtaataa gctgagtgca aaaggatgcc gaagaaaatc tgcacccaga agctgttaga 360
aagcactgca gagaacaggg tatgaagaaa ataaagagtt cttataaaac ccttaagatt 420
ctttgttcaa ggtaaccttg ccaaaaagggc agagtaggtg gcaaagagtt gcttttaatc 480
tagctctaca ctgcatttga aaataaaaatt tgcccatttt gaatatattg tttataatta 540
aatgtgcttt ttacactgca ggtcaatata aaaactgggt agtaaatctc cagcgagcat 600
ttatgttcat ttgctcacag ca                                     622

```

<210> 670

<211> 477

<212> DNA

<213> Homo sapiens

<400> 670

```

ttgggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
cccttgccgc ccgggcaggt gatggatgag gagcaaaaac tttatacgga tgatgaagat 120
gatatctaca aggctaataa cattgcctat gaagatgtgg tcgggggaga agactggaac 180
ccagtagagg agaaaataga gagtcaaacc caggaagagg tgagagacag caaagagaat 240
atagaaaaaa atgaacaaat caacgatgag atgaaacgct cagggcagct tggcatccag 300
gaagaagatc ttcggaagaa gagtaaagac caactctcag atgatgtctc caaagtaatt 360
gcctatttga aaaggttagt aaatgctgca ggaagtggga gggtacagaa tgggcaaaaat 420
ggggaaaggg ccaccaggct ttttgagaaa cctcttgatt ctcatgtctat ttatcag 477

```

<210> 671

<211> 127

<212> DNA

<213> Homo sapiens

<400> 671

```

gtgtgtgtgt ctacttgggc gtgtttaacg tgtgcgtttg tgtctgcgtg tgcattgtgc 60
tgtgtgtgcg cgtgtatttc agtttggggt gccggatccc atatgattgc gtgcctgtgt 120

```

acctgag

127

<210> 672

<211> 400

<212> DNA

<213> Homo sapiens

<400> 672

```

gggtctgcac agctatgtta acagcatcct tataccagga gtaggaggaa agacacgact 60
ggaaaagcaa ttcaagctgg tcacacagtg taatgcaaaa tatgtggaat gtttcagtgc 120
tcagaaagag tgtaacaaaag aaaagaacag aaactcttca gttgtgccat ctgagcgtgc 180
tcgagtgggt cttgcaccat tgcctggaat gaaaggaaca gattacatta atgcttctta 240
tatcatgggc tattatagga gcaatgaatt tattataact cagcatcctc tgccacatac 300
tacgaaagat ttctggcgaa tgatttggga tcataacgca cagatcattg tcatgctgcc 360
agacaaccag agcttggcag aagatgagtt tgtgtactgg 400

```

<210> 673

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 528, 590, 600

<223> n = A,T,C or G

<400> 673

```

ctggcggttc tcattagtga atgtatgaca gcaggatgtg aggggatgcc caggagtcag 60
tgttagcatt gtcactctgag atcactgcta ttaatatcat ccattaattt attagtgagc 120
ttcactatat gcagactggg agataaggag aaaatctgtc acattctctc tagctaatac 180
gatcagctac caattaatga gattctgaat gaaatatcaa tatgtgtttt tctaatttgg 240
acctaggaca gagctgttgc ttgtcataga gaaaaacaat aatgcttaaa catagcacat 300
tataattaaa gcaggtttct cacatacttt tcattttatc ctttggataa ttttgtgagg 360
aacgcaggac accaacttcc ctttcataga tacaatcccc atgctattga tgaaagtgtt 420
tttgaatgaa gccatacaac aaataactga tcaaagtggc attacaccaa aatttcttag 480
taggactcct gcatagaatg tttagataga cgtgaaaagt ttgttcanga ggaccagcaa 540
gagagaaaact gggttctttg ggagggtttc ggtgctacat ttataccctn catcagagtn 600

```

<210> 674

<211> 140

<212> DNA

<213> Homo sapiens

<400> 674

```

ggtggttggt gtaaagttagt gaggcaggag tccgaggagg ttagttgtgg caataaaaaat 60
gattaaggat actagtataa gagatcaggt tcgtccttta gtgttgtgta tggctatcat 120
ttgtttttag gttagtttga

```

<210> 675

<211> 245

<212> DNA

<213> Homo sapiens

```

<400> 675
gttgggtggt tgggtgtaa at gagtgaggca ggagtccgag gaggttagtt gtggcaataa 60
aaatgattaa ggatactagt ataagagatc aggttcgtcc tttagtgttg tgtatggcta 120
tcatttgttt tgagggttagt ttgattagtc attgttgggt ggtaattagt cggttgttga 180
tgagatatatt ggaggtgggg atcaatagag ggggaaatag aatgatcagt actgcggcgg 240
gtagg                                           245

```

```

<210> 676
<211> 621
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 21
<223> n = A,T,C or G

```

```

<400> 676
ctgtccccag ggnaaatagt ngaattcaac taagatctgt taataagatg tcagaataac 60
taataatttt attaggaaaa aatcatgttt taaatttcaa aatgacactt atttgtcaag 120
taatatgatac ttggaaaaatt ttaaagaaaa ataatcctac ttataaacta cttttttata 180
attgttttca gaaaaaaagt ttacagtctt aaggaaaaata ttcaggtcta tcatatgggt 240
tgacagattt tttaaaagt attttttggt aggtcttctt ttagaaaaaa attaactctca 300
agggtttttt gtaccactat aatctcta atactactcag aattactgtg tatttactta 360
atttcttatt atgtgcctta ttatgtgctt aagatacaat aggttagagt ttaactctaaa 420
tatcttgaaa gctatattgt gggcttggt agcattttgt tttttctttc tctgttttgg 480
taaggattta aaattttttt cattgcaatt ttaagtgggt ttcaataagt aatagttttt 540
atcaaatttt tgggtgcttg tgacagagac gcgtggggaa ggggtgaatgg ttttggaat 600
aattcagtgc acacctgggg g                                           621

```

```

<210> 677
<211> 210
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 10
<223> n = A,T,C or G

```

```

<400> 677
tttacataaan atattatcag catttaccat ctcacttcta ggaatactag tatatcgctc 60
acacctcataa tcctccctac tatgcctaga aggaataata ctatcactgt tcattatagc 120
tactctcataa accctcaaca cccactccct cttagccaat attgtgccta ttgccatact 180
agtctttgccc gcctgcgaag cagcggtagg                                           210

```

```

<210> 678
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 86, 119, 120, 139, 140, 148, 162, 167, 175, 184, 222, 227,

```

263, 270, 282, 327, 379

<223> n = A,T,C or G

<400> 678

```

gtaggagtca ggtagttagg gttaacgagg gtggtaagga tggggggaat tagggaagtc 60
aggggttaggg tggttatagt agtgtncatg gttattagga aaatgagtag atatttgann 120
aactgattaa tgtttggggn tgagtttnta tatcacagcc anaattntat gatgnaccat 180
gtancgaaca atgctacagg gatgaatatt atggagaagt antctanttt gaagcttagg 240
gagagctggg ttgtttgggt tngggctcan tgtcagttcc anataataac ttcttggtct 300
aggcacatga atattgttgt ggggaanaga ctgataataa aggtggatgc gacaatggat 360
tttacataat ggggggtatna gtt 383

```

<210> 679

<211> 371

<212> DNA

<213> Homo sapiens

<400> 679

```

aaaatgaaaa tattgacaag agtttcagat agaaaaatgaa aaacaagcta agacaagtat 60
tggagaagta tagaagatag aaaaatataa agccaaaaat tggataaaat agcactgaaa 120
aaatgaggaa attattggta accaatttat tttaaaagcc catcaattta atttctgggtg 180
gtgcagaagt tagaaggtaa agcttgagaa gatgaggggtg tttacgtaga ccagaaccaa 240
tttagaagaa tacttgaagc tagaagggga agttgggttaa aaatcacatc aaaaagctac 300
taaaaggact ggtgtaattt aaaaaaaact aaggcagaag gcttttggaa gagttagaag 360
aatttggaag g 371

```

<210> 680

<211> 176

<212> DNA

<213> Homo sapiens

<400> 680

```

cctaggattg tgggggcaat gaatgaagcg aacagatttt cggttcatttt gggtctcagg 60
gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt 120
ttaatatatt tagttgggtg atgaggaata gtgtaaggag tatgggggta attatg 176

```

<210> 681

<211> 152

<212> DNA

<213> Homo sapiens

<400> 681

```

ctggagatgg atatgagact agtcaagatg tgaatgctaa ttggagagaa atataatttt 60
aggaagatgc acattgatgt ggggttttga tgtgtctgat tttgactact caagctctgt 120
ttacagaaga aaattgaatg gcgagggtgt gg 152

```

<210> 682

<211> 141

<212> DNA

<213> Homo sapiens

<400> 682

```

ccagtgcctg cttgccgtgg tttagtgatt ggggtgttaga aataaaaaact caggtctatt 60
tcttaccagt cagtaacaat ttttagagaa tgtacttggt atataatata tggacttcag 120

```

gaacttttggtt ggggtggggg g

141

<210> 683

<211> 308

<212> DNA

<213> Homo sapiens

<400> 683

```
ccagcaatgg tacagagtga ggggtgttctg ctaatgactt cagagaagta ttttaagaaaa 60
acatagaaaa acgtgtgctg agtttgccag aaatagatgg cttgagcaaa gagacagtgt 120
tgagctcatg gatagccaaa tatgatgcca tttacagagg tgaagaggac ttgtgcaaac 180
agccaaatag aatggcccta agtgacagtgt ctgaacttat tctgagcaag gaacaactct 240
atgaaatggt tcagcagatt ctgggtatca aaaaactaga acaccagctc ctttataatg 300
catgtcag                                     308
```

<210> 684

<211> 277

<212> DNA

<213> Homo sapiens

<400> 684

```
tggtattagg attaggatgt gtgaagtata gtacggatga gaaggttggg gaacagctaa 60
ataggttggt gttgatttgg ttaaaaaata gtaggggat gatgctaata attaggctgt 120
gggtgggtgt gttgattcaa attatgtgtt ttttgagag tcatgtcagt ggtagtaata 180
taattgttgg gacgattagt tttagcattg gagtaggttt aggttatgta cgtagtctag 240
gccatatgtg ttggagattg agactagtag ggctagg                                     277
```

<210> 685

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10

<223> n = A,T,C or G

<400> 685

```
ctgtggcgtn ccctacttct cccaaacctc gcaactccct cccaggacag tcagtgccaa 60
agaaacagggt cgctgaaaac taaaatgtcc acatccctaa ctggcaaccc acatcaaccc 120
caaaagggttg aagaatcatc taagatattt cagatgctct atgaagaaat tcactttaac 180
acttataact gtaagacttt gcatacatta caacagtgca ttagtgatac aagttgtaaa 240
atacgtttcc attccttttg attttgcata tgatggtttt gcatcagtca ctgcaggtag 300
attgagcaag ctttttgtgt ttgttttttt aaacatgcat tcaactagat atgattcaga 360
atagattaat actccctttt tatcactaca gttagctaaa aaattgccag gcagtccaca 420
aaacagaatt tgctttaaga ccaaccaca gagtcag                                     457
```

<210> 686

<211> 234

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1
 <223> n = A,T,C or G

<400> 686
 ntggatttat aaaatagttg caatgacaaa agaagtatgt tttgacagta aaaaaaagac 60
 attatggaca aaatatgcaa aatgtgcaaa gaaaaaataa atttgcatta gaaaggtggg 120
 catttgatct ctgagccctg tgccatgtaa cattgccatg ttctttcact gttgtttgaa 180
 tgttgtaacc cagcccttga ctctggactt aaggcaagct atgactggct ttgg 234

<210> 687
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 190
 <223> n = A,T,C or G

<400> 687
 nngtctgtga aaaactcttt ggatgattct gccaaaaagg tacttctgga aaaatacaaa 60
 tatgtggaga attttgggtct aattgatggg cgcctcacca tctgtacaat ctctgtttc 120
 tttgccatag tggctttgat ttgggattat atgcaccctt tccagagtc caaacccgtt 180
 ttggctttgn gtgtcatatc ctattttgtg atgatgggga ttctgacctt ttataacctca 240
 tataaggaga agagcatctt tctcgtggcc cacaggaaag atcctacagg aatggatcct 300
 gatgatattt ggcag 315

<210> 688
 <211> 522
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 31, 32, 387
 <223> n = A,T,C or G

<400> 688
 ctgaattaga ggaggagaaa agaagccatt nnggagtact ttaattgttt agatgtgaga 60
 ggctgaatgt ttgggttaag atgttagttg tcagaatcat gagaaaagg ttttaagcaag 120
 gggcatttct aattctaaaa ataacaacta ctgttattta ttgagcacta tctttttgtt 180
 gggactgtc taaagtactt gatttatttt ttaaaacctt acaaaaaact tacaaggtag 240
 gtactgaaag attcagtaat ttgttcaaag tcacacagca aataagcaac agactctgga 300
 tttgaaccag gcaatcctag agcctgtact gttagtaatt atacttttagc acctgtcaag 360
 aattcctggt gagtgtcaag aagcaancac caagttagga tttaaagcaa acatgattga 420
 agaatactgt ggtgtggttg acagtagtgc ctaagtctgt tttcagagtg aaaaatgaca 480
 aattagattt taagtatggt ttggagataa tatcaggaca gt 522

<210> 689
 <211> 158
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 11, 13, 15, 34, 51
 <223> n = A,T,C or G

<400> 689
 tctcaactta ntntnatacc cacacccacc caanaacagg gtttgttagg nattgtttgc 60
 attaataaat taaagctcca tagggctctc tcgtcttgct gtgtcatgcc cgccctcttca 120
 cgggcaggctc aatttcactg gttaaaagta agagacag 158

<210> 690
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 33, 261
 <223> n = A,T,C or G

<400> 690
 tagaactcgt attttttaaac ttctattctc tanccttttc cactacatta tgacacaaga 60
 ccctgcagaa agtcgtctgg aaaatatcag accatctctt acttgtccca tccaatctta 120
 catcgaatta tatgcaccct taaaaagtta tttggagttt taaaaaactc tattagccca 180
 aattacctga aataaactcc tggcttggtc ccctaattgtt tataaaaaat tgattgaaaa 240
 tattcatttt aaaaatgaag ntcttgaatt tattttaaatt actgtcttgc agtgagttgg 300

<210> 691
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 691
 ctgttcagaa agctcattgg acctggtttt gaaaataaaa caaagttaaa accctggggag 60
 gagttattgt gcagtgtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg 120
 taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat 180
 cacaaggctg ccaagtgcct gtttttctag aactaggagt tgggtgagggt tggctagtgc 240
 tgaaaccatg cataggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa 300
 gacag 305

<210> 692
 <211> 582
 <212> DNA
 <213> Homo sapiens

<400> 692
 caggaaatgg ataaccattt taactgtatt ttttgcagcc cgtacottct tgggaataca 60
 attgtctaac tttttatttt tgggtctggct gttgtggtgt gcaaaactcc gtacattgct 120
 attttgccac actgcaacac cttacagatg tggaagatgt gaaatttgct atcaattatg 180
 actaccctaa ctctcagag gattatattc atcgaattgg aagaactgct cgcagtacca 240
 aaacaggcac agcatacact ttctttacac ctaataacat aaagcagggtg agcgacctta 300
 tctctgtgct tcgtgaagct aatcaagcaa ttaatcccaa gttgcttcag ttggtcgaag 360
 acagagggtg aggtaaggat gactgatagg aaatgttggt agttacgagt cacatcgttg 420
 tctacaaatc catttaaatg gtattggagg gtgagtaaaa ccttgaatgt gaaaacttaa 480

gctgaaaaat tgtaaaaaca tttcacgcct accatgaata gatctgtttc tttctgtcca 540
 caatgatttg tgtcatagac ataattgac aatttgcaat tg 582

<210> 693
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 693
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gtagtatta gtagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgac atgaaagggtg 240
 ataagctctt ctatgatag ggaagtagcg tcttg 275

<210> 694
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 694
 nggtctgcat ttttattgag atctgcagat gaactggaaa atctcatttt acaacagaac 60
 tgagacagac gaccaccata ttcactgagg tctaaatttg cagtttccac taatgacatt 120
 ttgatttccc aacagagata cttctggtct tactgcacag tcttttaaga gaaatacttc 180
 cattatgcca cattgtcctt gatccgtaag tgatgtgta aggtgcttca aaggaactct 240
 gacctctgaa gtacttgagc tacttttagta tgtccagcct attgcttttt gttttagtgt 300
 gtcaccataa atatcagggg cataaaaggc tatctattct taattcaagg ataaaacaga 360
 agaagcttgt ggtataaaac aatagttcaa gatccag 397

<210> 695
 <211> 609
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 29, 96, 165, 236, 248, 312, 314, 334, 352, 359, 413, 414,
 472, 525, 547, 583, 609
 <223> n = A,T,C or G

<400> 695
 ctgagcttcc atttgtcagc tagcactgng gtagtcaacc atgcgaatga ggctattttg 60
 gacctcatga ttgtccagt cctgggctga taccgnggga aacgaaattt tgtggctgcc 120
 caaaaaatca tggaaaataa tgatttttta gaaaacctcc actgntttgt tgtgcagcaa 180
 taaataactg aaacaccaat ccaaaaaact tataaagcta taacaattaa aacagnataa 240
 taatagnncc gggatacaaa aatgggtcaaa ttgaagagga tacaaagcct caaagcagtc 300
 ctactcata ananccttgt tgtatcacta aaanggcatt aaaattgaga anaaggaana 360
 actagtggat taattaataa atgagaagta tccataagga aaaattaaaa ttnnattctt 420
 gcttcacatt atgaaaaaat acaacaaca gattgattaa agacttaaat gngatcaaca 480

```

aaatgttaaa actgtgataa gaacatttaa gaaaatagtt ctatnaccct gggataaaac 540
attttcntcc aaggcattaa agtgttaa atncaatttat tcattagaat 600
ttaaattcn 609

```

```

<210> 696
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 696
ctgcaaaata agcgtgctaa attaaattgt cttaaaggtt ttccacttca ttttgtgact 60
ttgtgtggtt cgaatttctc agtattttta ccagtgtgtt gatgttaaag tcaaaggctg 120
cagtatgtct atattcttgc tgtactcatt ggtagtttca gtatatgtaa tgtgagttta 180
aatagtga aa ttgtatctca tattaacatt tcaaatgctc atattgaaaa tggaaaatag 240
taaacacggg aattgatttt attctgggtg tctataatac ttcattttta atgtaaatgg 300

```

```

<210> 697
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2, 10, 16, 23, 315, 350
<223> n = A,T,C or G

```

```

<400> 697
nngtcatgtn tgatgnatct gancaggttg ctccacaggt agctctagga gggctggcaa 60
cttagaggtg gggagcagag aattctctta tccaacatca acatcttggt cagatttgaa 120
ctcttcaatc tcttgactc aaagcttggt aagatagtta agcgtgcata agttaacttc 180
caatttacat actctgctta gaatttgggg gaaaatttag aaatataatt gacaggatta 240
ttggaaattt gttataatga atgaaacatt ttgtcatata agattcatat ttacttctta 300
tacatttgat aaagnaaggc atgggtgtgg ttaatctggt ttatttttgn tccacaagtt 360
aaataaatca taaaacttga acaaaaaaaaa a 391

```

```

<210> 698
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 508, 523
<223> n = A,T,C or G

```

```

<400> 698
ctgagcatac agcaataaaa ataacataat ttttatgtgt acaatattta tggaaatagct 60
tactggaaca gataaataat ttagttaata acatgacaaa gaacagaaat tgtatacact 120
atacagcata gtaatagaat aatgaatgat taaagttatt aatattaggt agaaaatgaa 180
gggtatcttt gagagcagaa ctcaaggag caagcaattt gccttatgag gaaagagtta 240
cctgtggata aaggagaaac tgaaaaattt acaagtcaag actttttgag caaagacaaa 300
aatatgacta tgagtcacca attcagtaca gtgaaaaaaa agttgaagag atatcttgga 360
agtaaaccat gttgtggaag agcagggttt tgataatcat gggattattc tgaatgaatt 420

```

ttaaattgcga taggaatata tgagataatt tcaccagaga ataatatgat catgtttgca 480
 tttcaaagggt gtgtatctgg tgcactngt agaataaata ggntatgtga gcaagt 536

<210> 699
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 699
 ngtcacactg agggcaggtg acaaggacct gacagagccc atgcagggct ttagatttgg 60
 acacacaaga gttgataact tcctcatgaa tccttgccct gatctaaact catattatgg 120
 gttctgactg tttgagtaat catcttcaag gttaaacctc ttggcagtta cccttttcac 180
 aaagtgcaca gtgggaatcg agaatcgata gggttaattt tggagcagtg gcttatacca 240
 ttcacctctg tttttttgtg attatttcac agataatgag accttaataa caaataggcg 300
 taaaaaaatt ttcacattga aatgatagaa acatttgatg taataaaact tggttggctt 360
 gatattttta ggaattgaaa cctagcaatc ttattggaga gacaagaatt ggtctccag 419

<210> 700
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 700
 ccacttattg tccttaaaaa tccatactga tacatggaca gtaagtgtgt tttcagatgg 60
 agtaccagca ccgaaaatgg gttgaggag gatgggttgt atgtatgttt ctgcccacta 120
 attttgagca gccatattat gaattaaatc gtcacagcca agtaataacc caagaatgg 180
 atgagtttca tgtgtaatag ctcaaagga ataagcatga atgctggagt ggaccattat 240
 cctcaaatat tctatgtcac ttctcattta aagactcttg ttatgaacta ttagaaactt 300
 taggcaaaat caaaagtatt tgcggcaaaa taaagg 336

<210> 701
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 701
 ccatgtgatg atgttgacaa ccctgaaga gcctcagtc attgttccac gtttaagaac 60
 taggaatacc aggactgatg caattctact ggtcactat cgcttgtcac aagacacaga 120
 caatcagacc aaagtatttg ctgtaataac taagaaaaaa gaagaaaaac cacttgacta 180
 taaatacaga tattttcgtc gtgtccctgt acaagaagca gatcagagtt ttcatgtggg 240
 gctacagcta tgttccagtg gtcaccagag gttcaacaaa ctcatctgga tacatcattc 300
 ttgtcacatt acttacaat caactggtga gactgcagtc agtgcttttg agattgacaa 360
 gatgtacacc cccttggttct tcgccagagt aaggagctac acagctttct cagaaagg 418

<210> 702
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 104, 178, 184, 240
 <223> n = A,T,C or G

<400> 702
 gggcctgttg tgggggtggg ggaagcaggg aggggaacag ctaaataagg tgcgtgtgat 60
 ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgnnggtgg ttgtgttgat 120
 tcaaattatg tgttttttgg agagtcattg cagtggtaga aatataattg ttgggacnat 180
 tagnttttagc attggagtag gtttaggtta tgtacgtagt ctaggccata tgtgttggan 240
 attgagacta gtagggctag g 261

<210> 703
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 40, 104, 178, 184, 220, 246
 <223> n = A,T,C or G

<400> 703
 gggcctgttg tgggggtggg ggaagcaggg aggggaacan ctaaataagg tgcgtgtgat 60
 ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgnnggtgg ttgtgttgat 120
 tcaaattatg tgttttttgg agagtcattg cagtggtaga aatataattg ttgggacnat 180
 tagnttttagc attggagtag gtttaggtta tgtacgtagn ctaggccata tgtgttggag 240
 attganacta gtagggctag g 261

<210> 704
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 4
 <223> n = A,T,C or G

<400> 704
 ngntntgaatt ctattaaaga taaaaagagg agctggtacc atttcttctg aaactattac 60
 aaacaactga aaaggtggaa tttctcccta attcatttta ggaggccagc attatactga 120
 taccaaaacc tggcagaggt acaataataa aaggaaactt caagtcagta tcaactgatga 180
 acaccaatgt gaaaatcctc aataaaatac tggcaaactg aattcagcag cacatcaaaa 240
 agctaatacca ccacaatcaa gtcagcttca tccctgcatg gcaagtctgg ttcaacatat 300
 gcaaatcaat aaatacaatt catcagataa acagagctaa agacaaaatt cacatgattt 360
 tctcaataga tgcagaaaag g 381

<210> 705
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 705

```

ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac 60
ctttgcacgg ttagggtagc gcggccggtt aacatgtgtc actgggcagg cgggtgcctct 120
aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt 180
tccttttact ttttttaacc tttccttatg agcatgcctg tgttggggtg acagtgaggg 240
taataatgac ttgttggtga ttgtagatat tgggctgtta attgtcagtt cagtgtttta 300
atctgacgca ggcttatgcg gaggagaatg tttcatgtt acttatacta acattagtgc 360
ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat 420
tttttaggta gtgggtgttg agcttgaacg ctttcttaat tgggtggctgc ttttagg 477

```

<210> 706

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 100, 115, 157

<223> n = A,T,C or G

<400> 706

```

ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgagggc aggagtccga 60
ggagggttagt tgtggcaata aaaatgatta aggatactan tataagagat caggntcgctc 120
ctttagtgtt gtgtatggct atcatttgtt ttgaggntag tttgattagt cattgttggg 180
tggttaattag tcggttggtg atgagatatt tggaggtggg gatcaataga gggggaaata 240
gaatgatcag tactgcggcg ggtagg 266

```

<210> 707

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 131

<223> n = A,T,C or G

<400> 707

```

ccatcagaga aatgcaaadc aaaaccacaa tgagatacca tctcacacca gttagaatgg 60
caatcattaa aaagtcagga aacaacaggt gctggagagg atgtggagaa ataggaacac 120
ttttacaccg ntgggtgggac tgtaaactag ttcaaccatt gtggaagtca gtgtggcgat 180
tcctcaagga tctagaacta gaaataccat ttgacccagc cggccaatat tcaacattct 240
taaaggaaag aattttcaac ccagaatttc atatccagcc aaactaagct tcgttagtga 300
aggagaaata aaatacttta cagacaagca aatactgaga gattttgtca ccaccagg 358

```

<210> 708

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 479

<223> n = A,T,C or G

<400> 708

```

cctactatgg gngttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaaggga tttagagggt tctgtgggca 120
aatTTaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagg 180
ttgtcgccctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
ttattttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgceg tactatatct attgcgccag gtttcaattt 420
ctatcgcccta tactttattt gggtaaattg tttggctaag gttgtctggt agtaaggng 480
gagtgggttt g 491

```

<210> 709

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 197, 216, 231, 313, 389, 411

<223> n = A,T,C or G

<400> 709

```

nggttttttt tgtagagcaa ataatttatg caaaatatgt tacaaaatct gggatgctaa 60
atagttgaca caagtactgt gtttgacatt tagtttcatt tgaattagta atagaatttg 120
ctccttccaa catTTacatc ttttttcttt ctgactttat atattttcaa taaaaatttg 180
ctccacagtt tTTaagntca ttcttcttga atccgntttt acatttgctg ngacaaacct 240
gcataaaact agattttata gatataactt ctttgggaaga gataaaaatt caaaagtttg 300
acattgcttt canttattct tttcttcatt gttttgattg gcccctgtta gattgatgta 360
ttgccaatct acttttgatg gcatgaatnt aaaatgacaa cataaaaagc ncttctagt 420
caacagtaat tgaaacttgc agttttccat taaaaaaaaa 460

```

<210> 710

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 275, 507

<223> n = A,T,C or G

<400> 710

```

ctgttacagt gacaagagat aaaaagatag acctgcagaa aaaacaaact caaagaaatg 60
tgttcagatg taatgtaatt ggagtgaata actgtgggaa aagtggagtt cttcaggctc 120
ttcttgggaag aaacttaatt aggcagaaga aaattcgtga agatcataga tcttactatg 180
cgattaacac tgtttatgta tatggacaag agaaatactt gttggtgcat gatattctcag 240
aatcggaatt tctaactgaa gctgaaatca tttgngatgt tgtatgcctg gtatataatg 300
tcagcaatcc caaatccttt gaatactgtg ccaggatttt taagcaacac tttatggaca 360
gcagaatacc ttgcttaatc gtagctgcaa agtcagacct gcatgaagtt aaacaagaat 420
acagtatttc acctactgat ttctgcagga aacacaaaat gcctccacca caagccttca 480
cttgcaatac tgctgatgcc cccagtnagg atatctttgt taaattgaca acaatggacc 540
tg 542

```

<210> 711

<400> 713
 ccaaaaaactg gaagcagctc actaaacaaa cagtggcata cccatagaac tgcatacttc 60
 tcagcagtat qaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaaa 120

```

atgccacatg aanaaaccca aagggganaa acataaaaaac tttatatgtc agtcatataa 180
aattctanaa aatgcaaact aatccatcnt aaaggaaagt aaatcaacag ttgtctggag 240
gaccananag agcaggagga ganagattat taaaggggtt aaagtaaatt tgggagtgcc 300
cttcnntttt taaatnctat gaaaatgaaa gttaaaggcnc atgcatgttg taaactaata 360
gtaacaaaca naatgggttg gagtgggttg ttgtctgggg acatcattac aaaatgtaag 420
ccagtttatn taaattttga aaagaccgtg gactctgac tgactgatna atgttggaag 480
agataagtgt gctgcaaatg ggggaattaa taaaacag 518

```

<210> 714

<211> 281

<212> DNA

<213> Homo sapiens

<400> 714

```

ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
ataagctctt ctatgatagg ggaagtagcg tctttagtagac c 281

```

<210> 715

<211> 443

<212> DNA

<213> Homo sapiens

<400> 715

```

cttgaaatca gcaacacact taaaaatgag aaaatgaaaa tagaagagta tataaagaaa 60
gggaaagagg attatgaaga gagtcatcag agagctgtgg ctgcagagggt atccgtactt 120
gaaaactgga aggagagtga agtgtataag ctacagatca tggagtcaca agcagaagcc 180
tttctgaaga agctgggggt gattagccgt gatcctgcag catatcccga catggagtct 240
gatatacggt catgggaatt gtttctttct aatgttacaa aagaaattga gaaagcaaaag 300
tctcagtttg aagaacaaat taaggcaatt aaaaatgggt cccgggtcag tgaactttct 360
aaagtgcaga tttctgagct ttcatttcct gcctgtaaca cgggttcattc cgagttactc 420
cctgagtcct caggccacga tgg 443

```

<210> 716

<211> 639

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 516, 532, 553, 602, 617, 620

<223> n = A,T,C or G

<400> 716

```

ccaaaanaaa tgaagtacag agtctgcata gtaagcttac agataccttg gtatcaaaac 60
aacagttgga gcaaagacta atgcagttaa tggaatcaga gcagaaaagg gtgaacaaag 120
aagagtctct acaaatgcag gttcaggata ttttgagca gaatgaggct ttgaaagctc 180
aaattcagca gttccattcc cagatagcag cccagacctc cgcttcagtt ctagcagaag 240
aattacataa agtgattgca gaaaaggata agcagataaa acagactgaa gattctttag 300
caagtgaacg tgatcgttta acaagtaaa aagaggaact taaggatata cagaatatga 360
atttcttatt aaaagctgaa gtgcagaaat tacaggccct ggcaaatgag caggctgctg 420
ctgcacatga attggagaag atgcaacaaa gtgtttatgt taaagatgat aaaataagat 480

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$\langle 210 \rangle$	720
$\langle 211 \rangle$	455

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 154, 346, 349, 366, 444
<223> n = A,T,C or G

<400> 720
ccaatgtcga aacctacaag atttccttaa aatctctaata agaggcatta cttgctttca 60
attgacaaat gatgccctct gactagtaga tttctatgat ccttttttgt cattttatga 120
atatcattga ttttataatt ggtgctatgt gaanaaaaaa atgtacattt attcatagat 180
agataagtat cagggtctgac ccagtgga aacaaagcca aacaaaactg aaccacaaaa 240
aaaaaggctg gtgttcacca aaaccaaact tgttcattta gataatttga aaaagctcca 300
tagaaaaggc gtgcagtact aagggaacaa tccatgtgat taatgnttnc attatgttca 360
tgtaanaagc cccttatttt tagccataat tttgcatact gaaaatccaa taatcagaaa 420
agtaattttg ccacattatt tatnaaaaat gttcc 455

<210> 721
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 134, 390
<223> n = A,T,C or G

<400> 721
ccagtgcctg ctgccgtggt ttagtgattg ggtgttagaa ataaaaactc aggtctattt 60
cttaccagtc agtaacaatt tttagagaat gtacttggtg tataatatat ggacttcagg 120
aactttattg gggngggggg ttaattttgc cttaccctgt tcactttcag atgattaggc 180
ttttgcactt tagaatgaga aacttgtgac gttagtgtgt tcttactagc ttttaattgt 240
atgtagcaat gaattgtgaa tcttagtgca gtgggttttt ttaaaaaact caaaaagctg 300
ggaattaagt ggtttcagta ataatgctat accgaggtgc ttgcattgta tttcataatt 360
ttgttacaaa ccaaaattat ttttaatgan aacggtcttg ggttcagagg tgtgatgcc 420
gaatgtattt tcgtactgtt aggcccttg aacagatacc ggtgctttct tgaaagatga 480
aagaaatgca atgggtgctc ttcattgcaag gttgcaaacc taccaagaat 530

<210> 722
<211> 242
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 29, 35, 55, 192
<223> n = A,T,C or G

<400> 722
ccaagggtca tgatggcagg agtaatcana ggtgntcttg tgttgatgata agggngggaga 60
ggttaaaggga gccacttatt agtaatgttg atagtagaat gatggctagg gtgacttcat 120
atgagattgt ttgggctact gctgcagtg cgccgatcag ggcgtagttt gagtttgatg 180
ctcatcctga tnagaggatt gagtaaaccg ctaggctaga ggtggctaga ataaatagga 240

gg

242

<210> 723

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 191, 266, 460

<223> n = A,T,C or G

<400> 723

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cctactatgg gtgttaaatt ttttactctc tctacaagggt tttttcctag tgtccaaaga 60
gccgttcctc ttggactaa cagttaaatt tacaaggagg tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagg tatcaccagg ctcggtaggt 180
ttgtcgccctc nacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggnttcg ggggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataagggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgagg tactatatct attgogccag gtttcaattt 420
ctatcgcccta tactttattt gggtaaattg tttggctaan gttgtctggt ag 472

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<210> 724

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 26, 73, 177, 215, 256, 274, 276

<223> n = A,T,C or G

<400> 724

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nccaccactg cagccctaca tacagntgaa aaaaaattcc attctgttaa catttgtttt 60
ataagttttc acncaatata caaaaaaccc ctctgcactt cttgtaaaga acaaaaaaga 120
tacacaacag ttaagcgtaa agatcacagg caatagcatt caaacatgga tgtgggnaga 180
gaaaggagta cctggcatga gtacctgctt agtngactg aatccttgat ttttaatttg 240
gcttttcatg ggccgntcac aacaccaacg ctgngngagg tatggtagtc ag 292

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<210> 725

<211> 122

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 35, 61, 86, 88, 91, 114

<223> n = A,T,C or G

<400> 725

```

atagaaaggg catacccaaa atgttactga aaatntaata caaattccaa gattcaccaa 60
ngaagtaaca aaaacctggc ctgcangngg nccctatcc cgtgggtcca tggntgatgt 120
gg 122

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<210> 726
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 266
 <223> n = A,T,C or G

<400> 726
 ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac 60
 ctttgcacgg ttagggtaac gcggccgtta aacatgtgtc actgggcagg cggtgccctc 120
 aatactgggtg atgctagagg tgatgttttt ggtaaacagg cggggtgaaga tttgccgagt 180
 tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg 240
 taataatgac ttggttggtga ttgtanatat tgggctgtta attgtcagtt cagtgtttta 300
 atctgacgca ggcttatgcg gaggagaatg ttttcatggt acttatacta acattagtgc 360
 ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat 420
 tttttaggta gtgggtgttg agcttgaacg ctttcttaat tggcggtgc ttttagg 477

<210> 727
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 727
 cctgtctttg aatggatgaa atagggttaat aaaaaacatc actgttttaa aactagaaca 60
 ctgaaaaatt ctaggaaagc ttattttccc ttatatTTTT atggtacttt caacacttaa 120
 taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcttttct 180
 gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt 240
 caacggctgc catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
 atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata gtctgg 416

<210> 728
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 411
 <223> n = A,T,C or G

<400> 728
 cctgtctttg aatggatgaa atagggttaat aaaaaacatc actgttttaa aactagaaca 60
 ctgaaaaatt ctaggaaagc ttattttccc ttatatTTTT atggtacttt caacacttaa 120
 taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcttttct 180
 gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt 240
 caacggctgc catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
 atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata ntctgg 416

<210> 729

<211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 399, 439, 463
 <223> n = A,T,C or G

<400> 729
 ctgtgagtag aggagtcttc ccgagagtag cagttgttga tccaaatgat tgaagccttc 60
 aggtaagggga ataactgctg caggaattct ttcttgaaga atttaagctg tttggtaaga 120
 attctgtaac tacatacctt tgaaacacta ttcacattca aataaacgct tgttttctag 180
 ccaggcacag gctcaattag tttttcaaac tctagccaag gcagttattc atttgggaaa 240
 tcatgcaaca gaactgctca attcttaact tctcctgctg ttaacattta cacttagact 300
 gccagcaaca gtttaacttaa attttggtct caagggaaca aaaaaaaatt gcattcagaa 360
 tttaatatag tattttaaaa ctaatttttag cctgtaagnc attatgagca atagtaactt 420
 ttatacctcc tcatcttgnc tgataatata ttctatatgc tgncaatctg attatatagt 480
 ctatatgcta gaagttgctg attttcattc tgccaccaa aaaaactgtc cttttttttt 540
 tatgggggaa aaagggaatt taaa 564

<210> 730
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 730
 ccatttttat ttotttcttca gagaagtgtt tatttaggtc tgttgcccat tttacaatta 60
 ggccatatgt ttcttctgctg ttgagttgta tgtgtgtttg tataaatttt gcatattaac 120
 cccttatcac acgtatgttt tttaaaaataa attttgctta ttaatctttt atcagatgta 180
 tggtttccaa atatattctt ccgatccatg gattctcttt tttgttatga ttgtttcttt 240
 gctcttcgga agctttttgt tttgttttgt tatttggttt actttgatat agtcccat 300
 attgtttttg 310

<210> 731
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 260, 276, 334, 388, 392, 407
 <223> n = A,T,C or G

<400> 731
 ngacaacctt agccaaacca tttacccaaa taaagtatag gcgatagaaa ttgaaacctg 60
 gcgcaataga tatagtaccg caagggaag atgaaaaatt ataaccaagc ataataaagc 120
 aaggactaac ccctatacct tctgcataat gaattaacta gaaataactt tgcaaggaga 180
 gccaaagcta agacccccga aaccagacga gctacctaag aacagctaaa agagcacacc 240
 cgtctatgta gcaaaatagn gggaagattt ataggnagag gcgacaaacc taccgagcct 300
 ggtgatagct ggttgtccaa gatagaatct tagntcaact ttaaattttg ccacagaacc 360
 ctctaaatcc ccttgtaaat ttaactgnta gnccaaagag gaacagntct ttggacacta 420
 ggaaaaaacc ttgtagagag agtaaaaaat ttaacaccca tagtagg 467

<210> 732
 <211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 266, 343, 364, 483
 <223> n = A,T,C or G

<400> 732
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagctaaatt tacaagggga tttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagg tatcaccagg ctcggtaggt 180
 ttgtcgctc tacctataaa tcttcccaact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggnttcg ggggtcctag ctttggctct cttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tatagggggt agnccctgct atattatgct 360
 tggntataat ttttcatctt tcccttgcg tactatatct attgcgccag gtttcaattt 420
 ctatcgcta tactttattt gggtaaattg tttggctaag gttgtctggt agtgaggcgg 480
 agngggtttg gg 492

<210> 733
 <211> 562
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 169, 400, 430, 460, 497, 513, 523, 555
 <223> n = A,T,C or G

<400> 733
 ntgaatggc aatagcattc actgtcgtat tttgcagtgc tcaggaagtg ggacgttaac 60
 tttgaagggtg cttgtttgta ttagctctgc taggtttacc tctacaacgt agatttcagc 120
 agctatgctg actgacacta cattctagtt cttaagattt tttttccana tcccccttc 180
 cccagctaga catacgtagc atactttcat cttattcagt ctttctgtaa cctgctgctg 240
 ctttttagtcc tcctcacctc agatcggaat caatggagtg ggcccagagg atacatttta 300
 attccagtaa tggtaggtag atttgtcctg ctttctaaaa catctcctca tttcatattt 360
 ccactccata ttgattccat aagggaaaat taatgggtgn ttccctccttt agggaggcaa 420
 tgcaaagagn gtggacatct tctaattctg aggaacagtn gttgatttcc cttgaaggag 480
 cttacatatt gactgtnttt cacaataacc tgnttgcccc agntcaatcc ctcattttta 540
 tacttaattg tggtinctggg ct 562

<210> 734
 <211> 265
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 734

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nggtccagaa caagagaaat aactgcagaa aacacatatg gttggaaacc atgcgcttgt 60
gactttttct gtagcctatg ggagtggaca gagtgggtaa cccaagatgt ttttaagact 120
gactggacta agaatggcgt acttatagcc aactacttcc cccctaattgt gactgaaggg 180
attcataatg atcacaatta gcattacggt taagtatttt aggggttgacg tctaagctca 240
cacttgaaaag gtatttatct aatgg                                     265

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<210> 735
<211> 216
<212> DNA
<213> Homo sapiens

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<400> 735
atttaatacg tgctcaactgc tcggcacgcg ctgaagctac agttaacaat cagtgagcac 60
atattaaatg ataaaaataat gctgatggta aacattcata acagcagagt aagatttttg 120
cagttttgtg tctcggtaac ataactgtaa ccttagatga acacctatcc cttcatgac 180
tgactttaga ggcaaggagt ttgtaacatc taatgg                                     216

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<210> 736
<211> 285
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 13, 177
<223> n = A,T,C or G

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<400> 736
ctgaaaggca acntggagac tagttagtct agtcccctca tattataaat tggtagctg 60
aggccaggca gtaaattgct atggagctct ccaatttaag gccagtttga ctccaagggt 120
agggttcta gtaaaatttt gtgattaaat tggaactct aatttatttt tctatgngtt 180
tttggtacct aatcctcata agcaagccat atttcaaggc tgatcaatga aaacaccaa 240
taccaaagct tcctttccct tccaaattta ctgacccttt gtcag                                     285

```

```

<210> 737
<211> 509
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 4, 13, 303, 347, 419, 446, 473, 483, 489, 503
<223> n = A,T,C or G

```

```

<400> 737
agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca 60
aagcccatct ggaccagaaa tcccgcgcat attactaatg aggagtacgg agaattctat 120
aagagcttga ccaatgactg ggaagatcac ttggcagtga agcatttttc agttgaagga 180
cagttggaat tcagagccct tctatttgtc ccacgacgtg ctcccttttga tctgtttgaa 240
aacagaaaga aaaagaacaa catcaaattg tatgtacgca gagttttcat catggataac 300
tgngaggagc taatccctga atatctgaac ttcatlagag gggtggnaga ctcgagggat 360
ctccctctaa acatatcccg tgagatgttg caacaaagca aaattttgaa agttatcang 420
aagaatttgg gtcaaaaaat gcttanaact ctttactgaa ctggcggaag atnaagagaa 480
ctncaagana ttctatgagc agntctctt                                     509

```

<210> 738
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 738
 cagtgaattg aatacgactc ctatagggcg aattggggccc tctagatgca tgctcgagcg 60
 gccgccagtg tgatggatat ctgcagaatt cgccctt 97

<210> 739
 <211> 209
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4
 <223> n = A,T,C or G

<400> 739
 ccgncagtgat gatggatatc tgcagaattc gcccttagcg gcccgcccg gcagggtcct 60
 tatatatagt agcttagttt gaaaaaatgt gaaggacttt cgtaacggaa gtaattcaag 120
 atcaagagta attaccaact taatgttttt gcattggact ttgagttaag attatTTTTT 180
 aaatcctgag gactagcatt aattgacgg 209

<210> 740
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 740
 ccaagctaata ggggtgacact gtgaatgcaa ctctaatagca gcctggcgta aatgggtccta 60
 tgggcactaa ctttcaagtt aacacaaaaca gaggaggtgg tgtgtgggaa tctggtgcag 120
 caaactccca gagtacatca tggggaagt gaaatggcgc aaat 164

<210> 741
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 82, 438, 485, 497
 <223> n = A,T,C or G

<400> 741
 ccagtcagaa ttgagatgtg ctgtgagtgc aaaatacact caaatctaag acttagtatg 60
 gaagaaaaag aagataaggt gnttcattaa taatctttta tattgattac atgttgaaat 120
 gatattttta atatactggg ttacataaac tgttattaag attaattttg cttgtttcct 180
 ttttaatatg gctactagaa aattaaaaat tatgttgttg ttcacattat atttctgttg 240
 aacaatgtgg acatagataa tctacagtca ttacattagc cttagaattt agcatcatac 300
 ttttaagcac tctgggggtac taacttgaac tcccagaaac ccataagcac actctgcata 360
 taaattattg caaaattcat tcttatctct ctgaaagata tgcattttta gggtaaaaaag 420


```

aattcacaaa atattganc cttacaaaat gtcaattagt atatggagag agctaaagga 480
cttcntgtag actggtncat tggggaaaaa caga 514

```

```

<210> 742
<211> 439
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 28, 123, 144, 347, 367
<223> n = A,T,C or G

```

```

<400> 742
gcaggtccta tgcatagtta ataaggnta taatctactc aacatggaaa atgggagcct 60
atttgcaaac acacgagtaa ttaaagtacc aattctctct tagtttcttt ttttatagtt 120
ggnttatttt gcaattataa atgntaaaca tccctagaga tgaaagttaa aatggctgat 180
cacagatcag tagcaaaaata caaattgaca attcaaaaatt ataaataaaa ctctgttgag 240
gatgtttaac tttgagcctc caaatttaag agctaagctt ggaagaaaca aatttatagg 300
ttatatattcc ctcttaaatt aaaaaacaaa cttcctctgg cagtagnttg tgaattcctt 360
tcattgnaat gataccatga ttacaggatc aaaaatgctt aacttacttg ccattctgct 420
cacatcatca cagttgttt 439

```

```

<210> 743
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 3
<223> n = A,T,C or G

```

```

<400> 743
cangacgcta cttcccctat catagaagag cttatcacct ttcatgatca cgccctcata 60
gtcattttcc ttatctgctc cctagtcctg tatgcccttt tcctaacact cacaacaaaa 120
ctaactaata ctaacatctc agacgctcag gaaatagaaa ccgtctgaac tatcctgccc 180
gccatcatcc tagtcctcat cgccctccca tccctacgca tcctttacat aacagacgag 240
gtcaacgatc cctcccttac catcaaatca attgg 275

```

```

<210> 744
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5
<223> n = A,T,C or G

```

```

<400> 744
ctgtnccttt aaaaaatctg gatgtttttt atttagtgat tgttcgacaa ttagctgctt 60
caaacataa tgtgcattgc ttatgaatgc cttcatatac taatacagat actctgataa 120
tattacactc taataaggat aatgctgaat tttgaaagga cacaaaacat ctaatgccaa 180

```

tatatacatg attagccaac atctttgcta tcaagaccac tcgtttttaa ataaagatgc 240
aagtgtcagt tgtagattat tgggatgaag ctaaattcccc agaatgcagc agcag 295

<210> 745
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 434
<223> n = A,T,C or G

<400> 745
cgcggttactg tacatatattgc tagcaggaga cacttggaat tactaaacaa atactggaat 60
tcacattaca gacagacgaa accaacaatgg atgccacaca taacttcctt tgtagtttca 120
cagagagcct atttgtggtt gctcagggtgg ggtcatacat tgcttgcaga aatggcctga 180
tcatagtctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg 240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac 300
agagaatcac tctcaaattt aacccaagat aagcaatagg atttgggggt gacttgtaca 360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta 420
tagtttgagt gtanggattc agtaatcaaa ggttggttatt gcaaaaagagc caggcag 477

<210> 746
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 393
<223> n = A,T,C or G

<400> 746
ctgtgaaatt ggggttgggag agccaaaata ctttacaact tcagaccgga gaaaaggcca 60
gagggtgtgaa gttagactct atgatgaaac agagtcgtct tttgcatga catgttggga 120
taatgaatcc attctacttg cacagagctg gatgccacga gaaacagtaa tatttgcctc 180
agatgtaaga ataaattttg acaaatttcg gaactgcatg acagcaactg taatctcaaa 240
aaccattatt acaactaatc cagatatacc agaagctaac attctgctga attttatac 300
agaaaataaa gaaacaaatg ttctggatga tgaaattgac agttatttca aagaatccat 360
aaatttaagt acaatagttg atgtctacac agntgaacaa ttaaaggga aagctttgaa 420
gaatgaagga aaagctgac cttcctatgg catcctttat gcctacattt ccacactcaa 480
cattgatgat gaaactcaaa agtagttcga aatagatgtt ccag 524

<210> 747
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 411
<223> n = A,T,C or G

```

<400> 747
cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagcccatt tagtataaag 60
cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcatagg 120
ggagtttccg atgccagagg atgaaagcaa gtgctttctc caccctctcc tcccagagt 180
aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga 240
cacaaaatac tgagaggtaa ctttttatca atcaaaccac atacccaat ttaacacctt 300
tcagtgtctc gaattcaact gacagactaa aggggtgttc ctgtaacagt ctgaaatatt 360
aagtgttttt tttgttttgt ttttaaactc tatttcagaa aacttcctct nggggtagga 420
aagtacacat gaagcagcaa agtaacgaag aaaaac 456

```

```

<210> 748
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 4, 28, 58, 207, 210, 217, 423
<223> n = A,T,C or G

```

```

<400> 748
ccanaccagg gaaccaaagt cagacagnga agttctctgc ttcttttggc tataatgnga 60
caagaaaggg atcatctttt gaagatgttt aaagaaataa agcaactttc tttataaaca 120
gtcaaataat caattaatgg aataaataag tactaaccga cattttaacc actctgtaat 180
cactacactt tacataattt ttatttnggn ggcaaantcc ccataatta gtctaaaatc 240
caccaatcac ttttaaaagt aaaatgaata gccacaaaaa taagaaaatc ttctgttcac 300
tccttggtcta aaaaggaaaa caaataaaac aaaacaaaaa gaaacagaag acaactgtaa 360
cactggtgat aaaagaaaact ttttttttac aagtaaaata aagttatcaa tttaaatctt 420
ggncacttta taaaaacaag aggtaatgtt gtaataaaac agcagtagcc tcag 474

```

```

<210> 749
<211> 355
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 9, 12, 22, 242, 311, 332, 348
<223> n = A,T,C or G

```

```

<400> 749
cctgggttnna gnggctgact gnaacctcca cttcctgttc tcaggcaatc ctctgcctc 60
agcctcctta gtagctggga ctacaggagt gtgcaaccat gcccaactaa tttttgtatt 120
tttaatagag acagggtttc accatgttga tcaggttggt ctccaactcc tgacctcagg 180
tgateccact gtcccagcct cccaaagtgc tgggattaca ggcatgagcc accacgccc 240
gnccaggata aagtaaaaat ttgtaagcac acaaggccct ttgcaacctg gctcctggtt 300
actactttaa ncctcctgcc ctcccaaagt tntcactgt ttttctanac atacc 355

```

```

<210> 750
<211> 493
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> 350, 364, 454
 <223> n = A,T,C or G

<400> 750
 ccatgctggt ctcgaactcc tgaactcagg tgatccaccc gcctcagtct cccaatagat 60
 tacatatatt attaatgaat tgcttccttt aacaccctat tcattgaatt ttccagtaaa 120
 ccacaattac taattactcc tgaaatcaga aaagagggtta aaaagatttt ataacagtat 180
 cctatgaaat ctactacttt caagtaatag tagttgaatt accaaaaccc gtcactcaag 240
 ccaatgacta caattaagat atgagtaaca tticcctagat aaataaaagtc aattaattat 300
 atttgcattct gggaaataga gaaagtacat ataagccatg attttgaagn caaaagagag 360
 agantatttg ccaaggagggt gtgagttata gtatgtaatt ataacataca gaagcttttt 420
 gtatgctggt aactaatttt aatttcctac attnttatgg agattttctgc tattcttctgc 480
 ctattttcca cct 493

<210> 751
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 11, 34, 211, 360, 362
 <223> n = A,T,C or G

<400> 751
 cgaggctctg naaggtcacc aagtctgccc aganagctca gaaggctaaa tgaatattat 60
 ccctaatacc tgccacccca ctcttaataca gtgggtggaag aacgggtctca gaactgtttg 120
 tttcaattgg ccatttaagt ttagtagtaa aagactgggtt aatgataaca atgcatcgta 180
 aaaccttcag aaggaaaagga gaatgttttg nggaccactt tggttttctt ttttgcgtgt 240
 ggcagtttta agttattagt ttttaaaatc agtacttttt aatggaaaca acttgaccaa 300
 aaatttgta cagaattttg agaccacatta aaaaagttaa atgagataaa aaaaaaaaaan 360
 cntg 364

<210> 752
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 17, 368, 395, 400, 425
 <223> n = A,T,C or G

<400> 752
 ctggattatg ggttggnatt ggtcatatgt tagactccat acaggcatag ctatgatgca 60
 gtgaatccct tagaagttac aattctcaaa ttacataactt cctcagatgt aacattagaa 120
 ctcaatattt ctaacaataa cataccagaa aaggctggac tggcactcat ctgctgacta 180
 acttgtagcc tcagtaatat gacataacttg cctttaacaa attatctcaa attaactaac 240
 agaccttcag aaaatggaga ttcttttttga tggggacata atcaaattta agtctgagaa 300
 atatgcttaa cagttggaac tcaaattaaa tgtactgatt ttaaagttaa gacattaaca 360
 agtgatanat tagcctcaaa aaaagacaat ttggnaaagn ttaggtcttt taatttggtg 420
 cttgntcaca acttgactgg tgcttctttc cttgctgctt cacatcaagc atggggccaa 480
 ttctattttc agtaaatg 498

<210> 753
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 15, 77, 314, 317, 335, 419
 <223> n = A,T,C or G

<400> 753
 nacaacctta gccanaacca tttacccaaa taaagggata ggcgatagaa attgaaacct 60
 ggcgcaatag atatagnacc gcaagggaaa gatgaaaaat tataaccaag cataatatag 120
 caaggactaa cccctatacc ttctgcataa tgaattaact agaaataact ttgcaaggag 180
 agccaaagct aagacccccg aaaccagacg agctatctaa gaacagctaa aagagcacac 240
 ccgtctatgt agcaaaaatag tgggaagatt tataggtaga ggcgacaaac ctaccgagcc 300
 tggatgatac tggntgncca agatagaatc ttagntcaac tttaaatttg cccacagaac 360
 cctctaaatc cccttgtaaa ttttaactgtt agtccaaaga ggaacagctc ttggacacna 420
 ggaaaaaacc ttgcagagag agtaaaaaat ttaacaccca tagtagg 467

<210> 754
 <211> 196
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 17
 <223> n = A,T,C or G

<400> 754
 gtcattgttca agtgttntaa tctgacgcag gcttatgcgg aggagaatgt tttcatgtta 60
 cttataactaa cattagttct tctatagggt gatagattgg tccaattggg tgtgaggagt 120
 tcagttatat gtttgggatt ttttaggcag tgggtgttga gcttgaacgc tttcttaatt 180
 ggtggctgct tttagg 196

<210> 755
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 755
 ctggaaagga ttctgtacat ataagacatc aaatattgag ggatactgga actttttaa 60
 taatgggcaa agaaagtcaa caaaggaagt tcatatgaaa tcaaactagt aatatgatta 120
 caaaaaaaaaa gttttaaatt tttcttggcc ccagtcttat catttctgag ccaaatacaa 180
 ttctatcgaa atcacctgaa actgaaatca ccattctagg ctggttttcc cataaagatg 240
 gactgctcca aaaagaggaa tcaagaaaga atttgggtca cagtgaatta ttcactttgt 300
 cttagttaac taaaaataaa atctgactgt taactacaga aatcatttca aattctgtgg 360
 tgataataaa gtaatgaccg c 381

<210> 756
 <211> 341
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 3

<223> n = A,T,C or G

<400> 756

```
ggntataaac ctattattta ttgcagaact aataaaaaat ccaaagcctt gtatttgtag 60
atctttatta tctctaaagc actttcctca acctaatttc agtttttaca attgggtactc 120
aagaaaatag agacagaaat catttgattt tgcccagaaa ccatctgctt atattttataa 180
ggccacctaa tttgaaatca catatagacc aggcgcggtg gctcacgcct gtaattccaa 240
cactttggaa ggccaaggca ggtggatcac aaggtaaga gattgagacc atcttggcca 300
acatggcgaa acccgtctc taccaaaaat acaaaaatca g 341
```

<210> 757

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 359, 425, 431

<223> n = A,T,C or G

<400> 757

```
cgcnttactg tacatattgc tagcaggagg acaactggaa atactaaaca aatactggaa 60
ttcacattac agacagacga aaccaacatg gatgccacac ataacttcct ttgtagtttc 120
acagagagcc tatttggtgt tgctcagggt gggtcataca ttgcttgtag aaatggcctg 180
atcatagctc tatgaaacaa tgaattcgga atgaaatctt accatgacac ctctctgtag 240
gaaagaaatg ttgcttcacg tgtgctaagt tgagataata atatttcaca tatttatata 300
cagagaatca ctctcaaatt taacccaaga taagcaatag gatttggggg tgacttgtnc 360
acatttctaa caacactttt cttttttcta gaggtcactc tcaaactg atatatcact 420
atagnttgag ngtagggatt caagtaatca aaggttggtt ttgcaaaaga gccaggcag 479
```

<210> 758

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6

<223> n = A,T,C or G

<400> 758

```
ccatgnctag gtttatagat agttgggtgg gttggtgtaa atgagtgagg caggagtccg 60
aggaggttag ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcagggttcgt 120
cctttagtgt tgtgtatggc tatcatttgt tttgagggtt gtttgactag tcattgttgg 180
gtggtaatta gtcggttgtt gatgagatat ttggagggtg ggatcaatag aggggggaaat 240
agaatgatca gtactgcggc gggtagg 267
```

<210> 759

<211> 449

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 371
<223> n = A,T,C or G

<400> 759
cgaggctcttg aaatcagcaa cacacttaca aatgagaaaa tgaaaataga agagtatata 60
aagaaagggg aagaggatta tgaagagagt catcagagag ctgtggctgc agaggatatcc 120
gtacttgaaa actggaagga gagtgaagtg tataagctac agatcatgga gtcacaagca 180
gaagcctttc tgaagaagct ggggctgatt agccgtgatc ctgcagcata tcccgcacatg 240
gagtctgata tacgttcacg ggaattgttt ctttctaatag ttacaaaaga aattgagaaa 300
gcaaagcttc agtttgaaga acaaattaag gcaattaaaa atgggtcccg gctcagtgaa 360
ctttctaaag ngcagatttc tgagctttca tttcctgcct gtaacacggt tcatcccagag 420
ttactccctg agtcttcagg ccacgatgg 449

<210> 760
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 34, 136, 169, 173, 209, 227, 246, 269, 274, 291, 316,
341, 414
<223> n = A,T,C or G

<400> 760
ccatnaactg gaagcagctc actaaacaaa cagnngcata cccatagaac tgcatacttc 60
tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaaa 120
atgccacatg aagaanccca agggggagaa acataaaaaac tttatatgnc agncatataa 180
aattctagaa aatgcaaact aatccatcnt aaaggaaagt aaatcancag ttgtctggag 240
gaccanagag agcaggagga gagagattnt taanggggtt aaagtaaatt ngggagtgcc 300
cttccatttt taaatnctat gaaaatgaaa gtaaaggccc ntgcatgttg taaactaata 360
gtaacaaaca gattgggttg gagtgggttg ttgtctgggg acatcattac aaan 414

<210> 761
<211> 428
<212> DNA
<213> Homo sapiens

<400> 761
gagcctcact aaaataacag atttcagtat agccaagttc atcagaaaaga ctcaaattgga 60
atgatttaca agatagaaca ctttaaacca ggtcagtcct atctttttgt agctgaaggc 120
tatcagtcac aacacaattt cgcgtacacc tctgtctcatt atggaattac acttaaaacg 180
aatctcaaga ggggtgacct tgtgttttca gataccatcc ctaaggagag tggttaacag 240
gaagattgcc agtggtactg atggaaagaa gtgtttgttt gttttttttc ttgtcaaaga 300
cttacaccat agtttttaaat taaactgtca ggcattttct cagacaggtt ttccttttca 360
atgcagtaat gaagaactaa gataaaaatc atgacttttg actgccactc aacattatta 420
catgcacc 428

<210> 762

<211> 574
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 47, 190, 449, 509, 510, 552
 <223> n = A,T,C or G

<400> 762
 caggctctgaa ctgataagta ttaagagacg tttgttgcta gttaagngtt ccagttgaga 60
 gttcgaagtg aaaacctggg ctctttacca gtgttgagtg agaagattta tttctctttc 120
 ctctgaattt accacatgta acatcacaga gacatgtaga gttccttttag gatttgcat 180
 ttgaaccagn ccagtctgat tttcaggtga attctgtgaa gagcttgatg ggggaagtct 240
 gaagacagaa ggaattaggg aaaaggggtga tacttacaga gtaaaggaaa taaatgaaaa 300
 gataatggta tttttggtag ccacagggaa atagcaggag gggactggag atcacacaca 360
 cgcacacgca cacacacaca cgctaaaact caaactaaaa acctcccaa 420
 ggagctgctt tgtttgcaga cttcaattng aagtagatac taagggcaag aatagaccag 480
 ttaaaattca cctgaaaatc tcttccann cttcaaatgt gctaaaatat cactgtcagc 540
 ttagcatctc tncatgtatg tatatataga tgta 574

<210> 763
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41, 116, 411
 <223> n = A,T,C or G

<400> 763
 cctactatgg gtgttaaaat tttttactct ctctacaagg ntttttccta gtgtccaaaag 60
 agctgttcct ctttggaacta acagttaaatt ttacaagggg atttagaggg ttctgngggc 120
 aaatttaaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg 180
 tttgtgcgct ctacctataa atcttcccac tattttgcta catagacggg tgtgctcttt 240
 tagctgttct taggtagctc gtctggtttc gggggtctta gctttggctc tccttgcaaa 300
 gttatttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc 360
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<210> 764
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 764
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 catTTTTTcaa actaagctac tatatttaag g 151

<210> 765
 <211> 251
 <212> DNA

<213> Homo sapiens

<400> 765

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gaagagctta tcacctttca tgatcacgcc ctcatagtca ttttccttat ctgcttccta 60
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gctcaggaaa tagtaaccgt ctgaactatc ctgcccgcga tcatccctagt cctcatcgcc 180
ctcccatccc tacgcacccct ttacataaca gacgagggtca acgatccctc ccttaccatc 240
aatcaattg g 251
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<210> 766

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10

<223> n = A,T,C or G

<400> 766

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tttaattttct ggctttccta tcttcttctt caggatagct tccttcagca tagaattgtt 180
ttccaatata aaatattttg ctgggttggtc cgtactatgt aggctgacca ctgggaccct 240
tggaaccttca cagaataata agaaatgttg attcatggga ctaaaaactgg catcaaaata 300
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agaagcactg tacag 375
```

<210> 767

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 70, 160, 386, 408, 440, 484

<223> n = A,T,C or G

<400> 767

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ttang 485
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<210> 768

<211> 379

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35
 <223> n = A,T,C or G

<400> 768
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 ccaaaacctg gcagagggtac aataataaaa ggaaacttca agtcagtatc actgatgaac 180
 accaatgtga aaatcctcaa taaaataactg gcaaaactgaa ttcagcagca catcaaaaag 240
 ctaatccacc acaatcaagt cagcttcatc cctgcgatgc aagtctgggt caacatatgc 300
 aaatcaataa atacaattca tcagataaac agagctaaag acaaaattca catgattttc 360
 tcaatagatg cagaaaagg 379

<210> 769
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 282, 460, 490
 <223> n = A,T,C or G

<400> 769
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<210> 770
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 163, 283, 340
 <223> n = A,T,C or G

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<210> 771
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 771
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 tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
 ctttgccgcc tgcgaagcag cggtagg 207

<210> 772
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 115
 <223> n = A,T,C or G

<400> 772
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 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
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<210> 773
 <211> 182
 <212> DNA
 <213> Homo sapiens

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 gg 182

<210> 774
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 774
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 cctttagtgt tgtgtatggc tatcatttgt tttgagggtta gtttgattag tcattgttgg 180
 gtggtaatta g 191

<210> 775
 <211> 192

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 12, 45, 51, 62, 90, 114, 134, 163
<223> n = A,T,C or G

<400> 775
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angaggtag ttgaggcaat aaaaatgatn aaggatacta gtataagaga tcangttcgt 120
cctttaacatg ttgngtatgg ctatcatttg ttttgaggct agnttgatta gtcattgttg 180
ggtggtaatt aa 192

<210> 776
<211> 144
<212> DNA
<213> Homo sapiens

<400> 776
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ggtctgttct ctcccattac acatagggtt gtctcagcat gcaagagttt ttccttttaa 120
aaaaaaaaaa aaaaaaaaaa aaaa 144

<210> 777
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 14, 339, 461
<223> n = A,T,C or G

<400> 777
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aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
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gtg 483

<210> 778
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 295, 297, 370
<223> n = A,T,C or G

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<210> 779
<211> 277
<212> DNA
<213> Homo sapiens
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<210> 780
<211> 328
<212> DNA
<213> Homo sapiens
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aaacaggcac	agcatacact	ttcttttacac	ctaataacat	aaagcagggg	agcgacctta	300	
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<210> 781
<211> 305
<212> DNA
<213> Homo sapiens
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<220>  
<221> misc_feature  
<222> 75, 237  
<223> n = A,T,C or G
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<400> 781

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taccaaagtg tgcaacctac agacctcag gtactgccct gtgacttctc tgtatgacat 180
cacaaggctg ccaagtgcct gtttttctag aactaggagt tggtgagggt tggctantgc 240
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gacag 305

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<210> 782

<211> 497

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 385, 433, 440, 471

<223> n = A,T,C or G

<400> 782

```

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tgtgtcgtc ttaactaata aatgngattt ttctctcaaa aaaaaaacct ccccgggcgg 420
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agcttggcgt aatcatg 497

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<210> 783

<211> 364

<212> PRT

<213> Homo sapiens

<400> 783

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          20          25          30
Asn Thr Gln Arg Lys Lys Ser Gln Glu Lys Met Arg Glu Val Thr Asp
          35          40          45
Ser Pro Gly Arg Pro Arg Glu Leu Thr Ile Pro Gln Thr Ser Ser His
          50          55          60
Gly Ala Asn Arg Phe Val Pro Lys Ser Lys Ala Leu Glu Ala Val Lys
          65          70          75          80
Leu Ala Ile Glu Ala Gly Phe His His Ile Asp Ser Ala His Val Tyr
          85          90          95
Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
          100          105          110
Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
          115          120          125
Asn Ser His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Arg Ser Leu
          130          135          140

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Lys Asn Leu Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Phe Pro
 145 150 155 160
 Val Ser Val Lys Pro Gly Glu Glu Val Ile Pro Lys Asp Glu Asn Gly
 165 170 175
 Lys Ile Leu Phe Asp Thr Val Asp Leu Cys Ala Thr Trp Glu Ala Met
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 Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
 195 200 205
 Phe Asn His Arg Leu Leu Glu Met Ile Leu Asn Lys Pro Gly Leu Lys
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 Tyr Lys Pro Val Cys Asn Gln Val Glu Cys His Pro Tyr Phe Asn Gln
 225 230 235 240
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 Tyr Ser Ala Leu Gly Ser His Arg Glu Glu Pro Trp Val Asp Pro Asn
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 Ser Pro Val Leu Leu Glu Asp Pro Val Leu Cys Ala Leu Ala Lys Lys
 275 280 285
 His Lys Arg Thr Pro Ala Leu Ile Ala Leu Arg Tyr Gln Leu Gln Arg
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 Gly Val Val Val Leu Ala Lys Ser Tyr Asn Glu Gln Arg Ile Arg Gln
 305 310 315 320
 Asn Val Gln Val Phe Glu Phe Gln Leu Thr Ser Glu Glu Met Lys Ala
 325 330 335
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<210> 784

<211> 6353

<212> DNA

<213> Homo sapiens

<400> 784

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<210> 785

<211> 5502

<212> DNA

<213> Homo sapiens

<400> 785

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<210> 786
<211> 108
<212> PRT
<213> Homo sapiens

<400> 786
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Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr
20 25 30
Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln
35 40 45
Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
50 55 60
Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met
65 70 75 80
Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser
85 90 95
Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr
100 105

<210> 787
<211> 152

<212> PRT

<213> Homo sapiens

<400> 787

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Arg Pro Lys Glu Glu Val Pro Arg Ser Lys Ala Leu Glu Val Thr Lys
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Leu Ala Ile Glu Ala Gly Phe Arg His Ile Asp Ser Ala His Leu Tyr
          20           25           30
Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
          35           40           45
Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
          50           55           60
Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu
65           70           75           80
Lys Lys Ala Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Ser Pro
          85           90           95
Met Ser Leu Lys Pro Gly Glu Glu Leu Ser Pro Thr Asp Glu Asn Gly
          100          105          110
Lys Val Ile Phe Asp Ile Val Asp Leu Cys Thr Thr Trp Glu Ala Met
          115          120          125
Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
          130          135          140
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<210> 788

<211> 1633

<212> DNA

<213> Homo sapiens

<400> 788

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<210> 789

<211> 200

<212> PRT

<213> Homo sapiens

<400> 789

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 20          25          30
Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
 35          40          45
Trp Lys Thr Met Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
 50          55          60
Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
 65          70          75          80
Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
 85          90          95
Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
100          105          110
Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
115          120          125
Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
130          135          140
Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr
145          150          155          160
Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
165          170          175
Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Glu Glu Glu Glu Glu Glu
180          185          190
Glu Glu Glu Glu Glu Glu Asp Glu
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<210> 790

<211> 457

<212> DNA

<213> Homo sapiens

<400> 790

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tcccaggagc ccagtaatgg agagccccaa aaagaagaac cagcagctga aagtcgggat 180
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ttccggcgctc aagggtgaaga taatacctaa agaggaacac tgtaaaatgc cagaagcagg 360
tgaagagcaa ccacaagttt aaatgaagac aagctgaaac aacgcaagct ggttttatat 420

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457

<210> 791
 <211> 126
 <212> PRT
 <213> Homo sapiens

<400> 791
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 20 25 30
 Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met Glu Ser
 35 40 45
 Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu Gly
 50 55 60
 Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr
 65 70 75 80
 Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn
 85 90 95
 Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys Glu Glu
 100 105 110
 His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val
 115 120 125

<210> 792
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 792
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 gagagcccca aaaagaagaa ccagcagctg aaagtgcgga tcctacacct gggcagcaga 180
 cagaagaaga tcaggataca gctgagatcc caggtgctgg gaagggaaat gcgcgacatg 240
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 atatttgact taaactatct caataaagtt ttgcagcttt c 461

<210> 793
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 793
 Arg Arg Ser Cys Glu Pro Ala Thr Arg Val Pro Glu Val Trp Ile Leu
 1 5 10 15
 Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr
 20 25 30
 Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln
 35 40 45
 Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile

```

      50              55              60
Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met
65              70              75              80
Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser
      85              90              95
Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr
      100              105

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<210> 794

<211> 970

<212> DNA

<213> Homo sapiens

<400> 794

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agacccaggt gaaggaatgc tagagtgtgt gaaagtggag gacgcatcgt caaaggacac 240
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<210> 795

<211> 152

<212> PRT

<213> Homo sapiens

<400> 795

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Arg Pro Lys Glu Glu Val Pro Arg Ser Lys Ala Leu Glu Val Thr Lys
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Leu Ala Ile Glu Ala Gly Phe Arg His Ile Asp Ser Ala His Leu Tyr
      20              25              30
Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
      35              40              45
Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
      50              55              60
Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu
65              70              75              80
Lys Lys Ala Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Ser Pro
      85              90              95
Met Ser Leu Lys Pro Gly Glu Glu Leu Ser Pro Thr Asp Glu Asn Gly
      100              105              110
Lys Val Ile Phe Asp Ile Val Asp Leu Cys Thr Thr Trp Glu Ala Met

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115 120 125
 Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
 130 135 140
 Phe Asn Pro Gln Ala Ala Gly Asp
 145 150

<210> 796
 <211> 2435
 <212> DNA
 <213> Homo sapiens

<400> 796
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 ccagacagcg tgccccccat cgatgtcctc tggatcaaag gggcccaggg aggtgactac 180
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<212> DNA
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4637

<210> 805

<211> 394

<212> PRT

<213> Homo sapiens

<400> 805

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Met Val Thr Met Glu Glu Leu Arg Glu Met Asp Cys Ser Val Leu Lys
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Arg Leu Met Asn Arg Asp Glu Asn Gly Gly Gly Ala Gly Gly Ser Gly
      20           25           30
Ser His Gly Thr Leu Gly Leu Pro Ser Gly Gly Lys Cys Leu Leu Leu
      35           40           45
Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
 50           55           60
Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser
 65           70           75           80
Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Glu Val Arg Ala Arg
      85           90           95
Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser
      100          105          110
Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val
      115          120          125
Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys
      130          135          140
Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys
 145          150          155          160
Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr
      165          170          175
Glu Pro Leu Asp Leu Asp Cys Ser Ser Cys Gly Thr Pro Leu His Asp
      180          185          190
Gln Glu Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr Leu Gly Ser Ala
      195          200          205
Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu Gly Ile Thr Ala
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Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe Glu Gly His Tyr
 225          230          235          240
Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys Ala Asp Ile Ser
      245          250          255
Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala Val Lys Asp Cys
      260          265          270
Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile Ser Arg Ser Ala
      275          280          285
Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg Val Arg Leu Glu
      290          295          300
Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile Ile Ser Pro Asn
 305          310          315          320
Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser Gln Val Leu Ala
      325          330          335
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Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe Val Phe Ser Phe
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<212> DNA
<213> Homo sapiens

<400> 807

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Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro Tyr Leu
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 His Ser Pro Ile Thr Thr Ser Pro Ser Cys
 385 390

<210> 806
 <211> 302
 <212> PRT
 <213> Homo sapiens

<400> 806
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 20 25 30
 Ser Leu Val Val Gln Ala Leu Arg Asn Ala Glu Arg Thr Asp Ile
 35 40 45
 Cys Leu Leu Lys Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu
 50 55 60
 Phe Cys Ser Lys Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro
 65 70 75 80
 Pro Ser Ala Thr Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr
 85 90 95
 Pro Leu His Asp Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr
 100 105 110
 Leu Gly Ser Ala Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu
 115 120 125
 Gly Ile Thr Ala Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe
 130 135 140
 Glu Gly His Tyr Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys
 145 150 155 160
 Ala Asp Ile Ser Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala
 165 170 175
 Val Lys Asp Cys Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile
 180 185 190
 Ser Arg Ser Ala Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg
 195 200 205
 Val Arg Leu Glu Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile
 210 215 220
 Ile Ser Pro Asn Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser
 225 230 235 240
 Gln Val Leu Ala Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly
 245 250 255
 Pro Leu Arg Glu Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe
 260 265 270
 Val Phe Ser Phe Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser
 275 280 285
 Leu Pro Tyr Leu His Ser Pro Ile Thr Thr Ser Pro Ser Cys
 290 295 300

<210> 807
 <211> 3829

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caagatgtga aataatcatt aggtcagtc tttgtaaata gtacagctgc tgtgggcttt 3240
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ttataacttt ataaagtttt tcatcatcac cacagcaatc acaaagagaa taattatgaa 3780
tatacgcaag aggaaatgag aagggaatcc aaatgtcatt aaaaaaaaaa 3829

```

<210> 808

<211> 781

<212> DNA

<213> Homo sapiens

<400> 808

```

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cagacgggac caggagaggg acggcatgag cgacacacac aaacacagaa ccacacagcc 420
agtcccagga gcccagtaat ggagagcccc aaaaaagaaga accagcagct gaaagtcggg 480
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acatggaagg tgatctgcaa gagctgcata agtcaaacac cggggataaa tctggatttg 600
ggttccggcg tcaaggtgaa gataatacct aaagaggaac actgtaaaat gccagaagca 660
ggtgaagagc aaccacaagt ttaaataaag acaagctgaa acaacgcaag ctgggtttat 720
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a 781

```

<210> 809

<211> 160

<212> PRT

<213> Homo sapiens

<400> 809

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Met Arg Cys His Ala His Gly Pro Ser Cys Leu Val Thr Ala Ile Thr
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Arg Glu Glu Gly Gly Pro Arg Ser Gly Gly Ala Gln Ala Lys Leu Gly
20          25          30
Cys Cys Trp Gly Tyr Pro Ser Pro Arg Ser Thr Trp Asn Pro Asp Arg
35          40          45
Arg Phe Trp Thr Pro Gln Thr Gly Pro Gly Glu Gly Arg His Glu Arg
50          55          60
His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met
65          70          75          80
Glu Ser Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His
85          90          95

```

Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys
 100 105 110
 Ala Thr Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly
 115 120 125
 Ile Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys
 130 135 140
 Glu Glu His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val
 145 150 155 160

<210> 810

<211> 624

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 74

<223> n = A,T,C or G

<400> 810

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acacggatgc cgaggaggca ggggtgagca ccgatgccgc cggccactat gactgcccgc 180
agcgggccgc ccgccacgag tacgcgctgc cctggcgcc cccggagccc gagtacgcca 240
cgcccatcgt ggagcggcac gtgctgcgcg ccacacggtt ctctgcgcag agcggctacc 300
gcgtcccagg gcccagccc ggccacaaac actccctctc ctcgggcggc ttctcccccg 360
tagcgggtgt gggcgcccag gacggagact atcaaaggcc acacagcgca cagcctgcgc 420
acaggggcta cgaccggccc aaagctgtca gcgcctcgc caccgaaagc ggacaccctg 480
actctcagaa gcccacaacg catcccggga caagtgcag ctattctgcc ccagagact 540
gcctcacacc cctcaaccag acggccatga ctgccctttt gtgaacacaa tgtgaaagaa 600
gcctgctgtg gtactgagcg tcgcg                                     624
  
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<210> 811

<211> 572

<212> DNA

<213> Homo sapiens

<400> 811

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agcgggctgt gaggacgctc tgggccaggc tgcagcgcca gcgttcgag ctgctgggct 60
ctttcgagga tgttctgata cgcgcgctcg cctgcctgga ggaggcgcc cgggagcgcg 120
acggcctgga gcaggcgctg cggaggcgcg agagcgagca cgagagggag gtgcgcgctc 180
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cccgcgggga gcggagaagc cgtctggagc tggagctgca gatccgcgag caggacctgg 300
aacgcgcggg cctgcggcag cgggagttag agcagcagct gcacgcccag gctgcggagc 360
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agctggaggg ggcgcaggag cagatccgca ggctggagag cgaagcacga ggccgcccag 480
agcaaaccce acgagacgtg gtcgccgtct ccaggaacat gcagaaagag aaagtcagcc 540
tgctacggca actggagctg ctgaggagc tg                                     572
  
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<210> 812

<211> 594

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 45
 <223> n = A,T,C or G

<400> 812
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 gctgccgagg gccgcgcggt gtacgtggtg gacgacgcag ctgtcctggg cgcagaggac 180
 ccagcgggtg acggcgattc tgcccgtgag aaggcattgc gtggagctct gcgagcctcc 240
 gtggaacggc gcctgagtcg ccacgacgtg gtcacacctg actcgcttaa ctacatcaaa 300
 ggtttccggt acgagctcta ctgcctggca cgggcggcgc gcaccccgct ctgcctggtc 360
 tactgcgtac ggcccggcgg cccgatcgcg ggacctcagg tggcgggcgc gaacgagaac 420
 cctggccgga acgtcagtggt gagttggcgg ccacgcgctg aggaggacgg gagagcccag 480
 gcggcgggca gcagcgtcct cagggaactg catactgcgg actctgtagt aaatggaagt 540
 gccagggcgg acgtacccaa ggaactggag cgagaagaat ccggggctgc ggag 594

<210> 813
 <211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 121, 352, 368, 440, 445, 486, 497, 516, 528, 540, 550, 552
 <223> n = A,T,C or G

<400> 813
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 tagatgaagc caaacattgt tggaggtact gaaatcctag actccaccat gtgtccaggga 120
 nccattgac gtctctctt ctgaaaactc cgtgtggccc tcgctctgca ctgtcatgag 180
 gcggtgatgg agctagatac ccaccacgga caatgatcat cagtttgggg ttctctgggt 240
 ctcacaggga cgcacattct aggggtagca cgacactccc cctgtagttg ctccacacaa 300
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 ttaatccgaa atgtgttaan tcgancacat gggccacgt ccaggacagc tcccatcgaa 480
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 agctctcgcn cnatatctgc g 561

<210> 814
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 6, 9, 24, 26, 45, 46, 63, 64, 73, 81, 82, 91, 95, 138,
 148, 151, 188, 205, 206, 212, 223, 229, 234, 242, 245, 248,
 252, 258, 262, 270, 278, 280, 301
 <223> n = A,T,C or G

<400> 814
 cntcgnngng ttggttgtgt gggntnttct cgggtgattg ggtgnnatta ctggacccaa 60

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ccnncgtgga aanggctggg nncgcggccg ntctngcaga agtatcccga tttttttttt 120
tttttttttt tttttggngg agggaaantt ncagacatag ctttattgct gactcctgcc 180
cccttcanag ccctagtcac aggcnnnagg gntgttttgt aanttaaant ttcnggaaaa 240
tngngtntt tntgcatnca anagaagggn tgccaaangn ggggtattgc ttctgggtgg 300
nttacc 307

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<210> 815
<211> 784
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 596, 656, 727, 763, 768
<223> n = A,T,C or G

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<400> 815
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ggaccacaaa atgtggaaga tatgaatgca ctgttaatca aagatgctgt gtataatgct 120
gttggattaa gctgcttatg agctctttga cagtgttgat tttgatcagt gggttaaaaa 180
ccagcttctt ccagaattac aagtcattca caataggat aagccattgc gacgcagggt 240
gatttggctc atcggtcagt ggatttctgt gaaattcaag tctgacttaa gacccatgct 300
ttatgaagca atctgtaact tgcttcaaga tcaagattta gtggccgtat tgaaacagct 360
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ttggaaacca tggtcacact actttttcag ttactgcagc aagttacaga atgtgacaca 480
aagatgcatg ttttgcagt cctttcttgt gtgatcgaaa gagtcaacat gcagatacga 540
ccatatgtgg gatgtttggg acaatatttg cccctccttt ggaagcagaa gtgaanaaca 600
caatatgttg agatgtgcta tttgaccac acttattcat cttggtcagg gattangagc 660
agacagcaag acctgtccct ttctgtctcc agttattcac tgagtaccag atgtttcaca 720
gccttncat gtttattttt ctggaaaatg ggttaaaaaat atnggtanga acctttggga 780
aaac 784

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<210> 816
<211> 813
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 740, 788, 790, 798, 811
<223> n = A,T,C or G

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<400> 816
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ccacccttgc cctttaaac acagatgcc aatgatacgc caacagacac tacattcccc 120
agcagctgct gccagagccc tctttagact tctttatttt ctgtttcttt ccagctttcc 180
taccctccta tcccccttgg tgtttgggcc acaattttga aataattttt attataggta 240
tgtgtgcc aagccagatt ttataaggt tgaataaatt aagaatttaa acagtataag 300
ccagtgtctc aaaatgtcag cattaaaatg tgaaggggac agcagggtgt gaaccggaaa 360
cacacattgc caaacagttg ccaactgaac tgctgcttct catggtccgt tcttttcttt 420
gcccttaagg tcaatgccag tgtccagacg agcagtgtag aaaagctccc tgtgtggttt 480
gtcgtgaggt ctgcttgat ctcttcaact gcgttagttt cattagctct ttattctcct 540
tacgttcgag tgaatctgcc aagaacactg gtggatagta ttatcctaac acttttggtt 600
tgggggcggg gagggggcag ggaatagtga gctggcttta ccaccttcag gatctcgaat 660

```

```

tgggcgcttg aacctaagaa agattgtgga cttatcaaaa gtcaccgctc agtggttcgtc 720
aagcatgtat ttatgtgacn atcatactag ggaggggatg gttgggaatt cttccatgtg 780
caaatttngn cccgcaanaa gcaaaaactgg ngt 813

```

```

<210> 817
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 30, 57, 102, 112, 124, 222
<223> n = A,T,C or G

```

```

<400> 817
gaaactttta cattaatgat ttattaaaaan aaacaactcc ttgtcccact ccaactgngct 60
gcttgtaatc tccatacatg gcctccattt tcaactgttt tnttggtcac anagctccaa 120
acanacacat ttttttttcc aggtaaaaagc tgttttttagt ttgtagtaca aatgtgactg 180
catccaatac tgacacattg ttcctttggc ccacagtccc antcaccac 229

```

```

<210> 818
<211> 781
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 355, 437, 539, 557, 569, 593, 608, 635, 636, 653, 654, 662,
665, 674, 697, 699, 708, 724, 734, 743, 755, 763, 764, 769,
775
<223> n = A,T,C or G

```

```

<400> 818
ggcacgaggt gtgtgtgtgt gtgtgtgtgt aacacatggg cattggctcct tccaggacaa 60
cttggttagg gctccagggt ggctctcag gcaggaacag gcttttttcc tcctgtcttt 120
tcctcacatc acgtcctgcc ccaggctcact gcataaataa gtgctttgga aagtattcat 180
ctagaaagta acataaatac tgtacataga aaagggttgc cgccccttag ccttcgcact 240
gccccagaga gctctccaca tattgcacac ggctcccca gccctgtggg gtccaggcct 300
ggctgtgtct ttggtagaag cttcagggac agttcctggg cagccccac atctncaccc 360
tgctccaaa ggggagctct agggtagtca gtgggtacca gaagccttgc tcggcctcgc 420
tggtggcctt ctaccangga tgctttcaca aggatgagac agaatccaa tggtatgccc 480
ctgcttgga actctgctca aggtctgcat gtggcctggg aggagacagg caggctgang 540
gcaggtggac aggtgantcc tggccacana aggcaggctc acacccttca cangaatagg 600
tggtttngc tgtcatctcg gccacggtc tcctnntgcg ccaccccc ttnntgaatc 660
gnaantcctc aaanccctta ccaccacttg atgaccnanc atttttangg cctggcctga 720
aggngggggc cttnggcccc ccnaaggggg aaatncccc ggngaatac ccaangggga 780
a 781

```

```

<210> 819
<211> 199
<212> DNA
<213> Homo sapiens

```

```

<220>

```

```

<221> misc_feature
<222> 2, 3, 4, 12, 20, 21, 22, 36, 37, 49, 76, 80, 83, 88, 157,
165, 167, 177
<223> n = A,T,C or G

<400> 819
cnnngtgga anggctgggn nngcgccgt tttcgngta gtatcgcgnt tttttttttt 60
tttttgtggg aggttntgcn gtntttgntt gctctctcaa attccaggaa ttgacttatt 120
taattaatgc ctgcaacctg tgctagcaaa tatttgnaca aaacnanttg tgttggngat 180
gttcttttgg gtcgggcag                                     199

<210> 820
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 3, 128, 131, 150, 157, 159, 166, 172, 174, 180, 182,
185, 192, 202, 206
<223> n = A,T,C or G

<400> 820
nnnggcacga ggagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agacagtntc ntgtgtgtct ctctgtctcn aagtaacnnc tgaggnatct gntntctgtn 180
tntngtaca cngtatctct cntggncata t                                     211

<210> 821
<211> 952
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 3, 29, 688, 692, 702, 742, 749, 767, 774, 786, 805,
815, 828, 835, 840, 842, 854, 864, 868, 871, 879, 889, 890,
895, 900, 904, 909, 912, 915, 926, 939, 944, 947
<223> n = A,T,C or G

<400> 821
nnntcaggct cctggatgag ccctgcgana gaggggtggca gcacggagag agctgctgga 60
ggcagcagag caccaaggaa acatccagac atgcgcggcc cggcccatcc gctcccggaa 120
cagcaccaag acgaaatggg aaactacatg tccccagggt cgaggctgca ggggcagact 180
ctggtgtgaa caggggggat gtgaccacct aaggaaggag tcacacctgt cttggtatca 240
ggggctcaag agctctcaaa aatgtaaggg gccgacagtc ccctgccccca ggcctgatca 300
caactccagg gtcattgagg cagagtaaag tgcagagggt tttaaacata accaaaattt 360
caggagaggg caattcttac ttgaaagagc aacaccctgg ggcgctgctt gccattactt 420
cctcatcttt agcaacacat ttgcttttca aggtgttcct tgtggaaaca cacatacaca 480
tagacacatg cccctcagat gtcccctgcc ccctgattag tagaatgtgg ggtttccaca 540
atgagcagaa actgatccaa ttttggttaa gtttgagaag ccctctgaat ttgggtggtt 600
ggcccaatgt aaataacttc gcagagatgg agggcattca aaacagggtt tgaaaggatc 660
cagcctatct tggactttgt tctggaancc anggattcag cnttggccac ctgtgccagg 720
cttgcaaggc ctggtgtgaa cncccaaant ggcagcaaaa acaacanaca gccnctgcac 780

```

```

tttggntgga ccaacgtttg gcctnaacaa atctngcggg ttgggatntt cttgntttcn 840
cncccagggg accnaaaacc ccctacntg naataacct ttttttttnn aacctttan 900
ccantgggnt tncnaaaaa acttgncccc ttttttttnc caangnaaa at 952

```

```

<210> 822
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 264, 335, 366, 371, 410, 413, 416, 424, 438, 464, 477, 478,
497, 502, 509, 540, 575, 577, 581
<223> n = A,T,C or G

```

```

<400> 822
ggcacgagaa ctagtctcga gttttttttt ttttttttta acatttctga attttattat 60
ttttagggaa gacacgcagt ttcaacaaga acaatgattt ttctcaaaca atagaaaaaa 120
aggctttttt gaaaaatcca ctgtcttaga tgaaaagtct acccagcaag cactggggca 180
gttctgagag tagaaaccag tgtggtggaa gttacttata ggaagttcag tgcagaggtc 240
tccacaagtc ctgattagtt ctgnaaggct ccattggggc agctcagggt aacagtggga 300
atgagctcac agacaaaggc aggcaccagt tcctntgccc gggatgcagg ctgggtcact 360
ccccangcgg ntgcattctg cttcagactc atcaaactgc tgctgtccan ctncgncatg 420
actntgttga gaacatanaa ctctgctctc tggctttgct tcanctcctg gtgggcnaaa 480
ttctgcttag cttctncac tntgaaggnt gggcttttaa cttttggatt tttttttccn 540
ggcaggggga accatgaatg gggtagatac ccacncnggg ntttggc 587

```

```

<210> 823
<211> 264
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 4, 7, 15, 17, 35, 38, 44, 53, 90, 105, 108, 115, 117,
121, 126, 128, 158, 176, 178, 184, 201, 221, 227, 229, 233,
239, 250
<223> n = A,T,C or G

```

```

<400> 823
ntcnatncct actangnaaa actgactccg ccctnagnca cctngtggtc canggctgcg 60
gagctgcgat acagccttcc gcgggtctgn tggaaccccc acctntctng gtgtntntcc 120
ntcccnccc ccaaccgcgc aagggcctgc ctttcctnct gggcctttgc cagcgntngg 180
ccanaccggg gccaaaccgg nccccgggca cattttaacc nagggcncnc ttntagaana 240
aaaccccggn tgatgttata aagg 264

```

```

<210> 824
<211> 520
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 7, 15, 17, 39, 60, 81, 98, 101, 110, 111, 138, 145, 174,

```


222, 250, 262, 311, 318, 332, 336, 345, 378, 406, 411, 414,
421, 426, 439, 447, 448, 450, 474, 479, 489, 494, 498, 505,
508, 510

<223> n = A,T,C or G

<400> 824

tcaagcngcc	cccantntga	tggatatctg	caaaattcnc	cctttcaccg	gccgcccgc	60
gcatgtctta	ttatacaaca	natccaactt	ccctaagngg	ntcacacatn	ntaagggtatt	120
gttaacaaaa	taggaaantc	tattngaact	aacaatcatc	tctttgaatc	tgcntatccc	180
attaaaagca	ttttcctcaa	tattcctcat	atcggttatg	gncaatggat	acccatctga	240
gctggttgan	ccctttaaat	tnattatact	taactttttg	aaggctgtta	tacccaaggg	300
acaaacctaa	ncaaccanca	gatatacttg	anggtntctc	ctgtnatttc	tcagattcca	360
atataccatt	ttgccttnac	acctacagcc	cttaggggca	tcctcnttcc	ncanaacaaa	420
ncattntcac	taagacagnc	tggggtnntn	caccaatggc	taccaaacct	ctgnccgcna	480
cccaccgcnt	aaanggcnga	aattnccnan	ccacacgggt			520

<210> 825

<211> 2064

<212> DNA

<213> Homo sapiens

<400> 825

cggtgcgctg	agcgccggag	gagcgtaggg	agggcagcgc	tggcgccagt	ggcgacagga	60
gccgcgcgac	cggcaaaaat	acacgggagg	ccgtcgccga	aaagagtccg	cggtcctctc	120
tcgtaaacac	actctcctcc	accggcgcc	ccccctccgc	tctgcgcgcc	gcccggtgg	180
gcgcccagag	ccgctccgac	tgctatgtga	ccgcgaggct	gcgggaggaa	ggggacaggg	240
aagaagaggc	tctcccgcgg	gagcccttga	ggaccaagtt	tgcgccact	tctgcaggcg	300
tcccttctta	gctctcgccc	gcccctttct	gcagcctagg	cggcccgggt	tctcttctct	360
tcctcgcgcg	cccagccgcc	tcggttcccc	gcgacctagg	tgacgatgga	ggagctgcgg	420
gagatggact	gcagtgtgct	caaaaggctg	atgaaccggg	acgagaatgg	cggcggcgcg	480
ggcggcagcg	gcagccacgg	cacctgggg	ctgccagcg	gcggcaagtg	cctgctgctg	540
gactgcagac	cgttctctgg	gcacagcgcg	ggctacatcc	taggttcggt	caacgtgcgc	600
tgtaacacca	tcgtgcggcg	gcgggctaag	ggctccgtga	gcctggagca	gatcctgccc	660
gccgaggagg	aggtacgcgc	ccgcttgccg	tcggccctct	actcggcggt	catcgtctac	720
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aaggactccg	aatacataat	aaaagcaaac	agaacactcc	aacttagagc	aataacggct	1800
gccgcagcag	ccagggaaga	ccttggtttg	gtttatgtgt	cagtttctact	tttccgatag	1860
aaatttctta	cctcattttt	ttaagcagta	aggcttgaag	tgatgaaacc	cacagatcct	1920

```

agcaaatgtg cccaaccagc ttactactaaag ggggaggaag ggagggcaaa gggatgagaa 1980
gacaagtttc ccagaagtgc ctggttctgt gtacttgtcc ctttgttgtc gttgtttag 2040
ttaaaggaat ttcatttttt aaaa 2064

```

```

<210> 826
<211> 2109
<212> DNA
<213> Homo sapiens

```

```

<400> 826
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aaagagtccg cgggtcctctc tcgtaaacac actctcctcc accggcgccct cccctccgc 120
tctgcgcgcc gcccggttg ggcgccgagg ccgctccgac tgctatgtga ccgcgaggct 180
gcgggaggaa ggggacaggg aagaagaggc tctcccgcgg gagcccttga ggaccaagtt 240
tgcgccact tctgcaggcg tcccttctta gctctcgcc tccctcttct gcagcctagg 300
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cgggcatctc gcggtcgcc accatctgcc tggcctacct gatgatgaag aaacgggtga 1260
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cctacctgca cagcccatc accacctctc ccagctgtta gagccgccct gggggcccca 1560
gaaccagagc tggctcccag caagggtagg acgggccgca tgcgggcaga aagtggggac 1620
tgagcagctg ggagcaggcg accgagctcc ttcccatca tttctccttg gccaacgacg 1680
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cagtttctact tttccgatag aaatttctta cctcattttt ttaagcagta aggcttgaag 1860
tgatgaaacc cacagatcct agcaaatgtg cccaaccagc ttactactaa ggggaggaag 1920
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ctttgttgtc gttgtttag ttaaaggaat ttcatttttt aaaagaaatc ttcgaaggtg 2040
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taagacttt 2109

```

```

<210> 827
<211> 394
<212> PRT
<213> Homo sapiens

```

```

<400> 827
Met Val Thr Met Glu Glu Leu Arg Glu Met Asp Cys Ser Val Leu Lys

```

1 5 10 15
 Arg Leu Met Asn Arg Asp Glu Asn Gly Gly Gly Ala Gly Gly Ser Gly
 20 25 30
 Ser His Gly Thr Leu Gly Leu Pro Ser Gly Gly Lys Cys Leu Leu Leu
 35 40 45
 Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
 50 55 60
 Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser
 65 70 75 80
 Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Glu Val Arg Ala Arg
 85 90 95
 Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser
 100 105 110
 Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val
 115 120 125
 Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys
 130 135 140
 Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys
 145 150 155 160
 Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr
 165 170 175
 Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr Pro Leu His Asp
 180 185 190
 Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr Leu Gly Ser Ala
 195 200 205
 Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu Gly Ile Thr Ala
 210 215 220
 Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe Glu Gly His Tyr
 225 230 235 240
 Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys Ala Asp Ile Ser
 245 250 255
 Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala Val Lys Asp Cys
 260 265 270
 Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile Ser Arg Ser Ala
 275 280 285
 Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg Val Arg Leu Glu
 290 295 300
 Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile Ile Ser Pro Asn
 305 310 315 320
 Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser Gln Val Leu Ala
 325 330 335
 Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly Pro Leu Arg Glu
 340 345 350
 Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe Val Phe Ser Phe
 355 360 365
 Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro Tyr Leu
 370 375 380
 His Ser Pro Ile Thr Thr Ser Pro Ser Cys
 385 390

<210> 828

<211> 453

<212> DNA

<213> Homo sapiens

<400> 828

```

ggatcattta attgcatact ctatgaccac gcacatgtaa agcccccttct gcaaaagaga 60
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gatcggattg ttgagcgctg tgacctgcct gaaatgcatg tgggtgattg gatgctcttt 180
gaaaacatgg gcgcttacac tgttgctgct gcctctacgt tcaatggctt ccagaggccg 240
acgatctact atgtgatgtc agggcctgcg tggcaactca tgcagcaatt ccagaacccc 300
gacttcccac ccgaagtaga ggaacaggat gccagcacc tgctgtgtc ttgtgcctgg 360
gagagtggga tgaaacgcca cagagcagcc tgtgcttcgg ctagtattaa tgtgtagata 420
gcactctggg agctgttaac tgcaagtta gct 453

```

<210> 829

<211> 452

<212> DNA

<213> Homo sapiens

<400> 829

```

ctggggccacg aggacaccac cagcttggat cggcctcgcc gtgtggaata cttttagat 60
aagcaactcc aagtaaaggc tgtcacctgt gggccgtgga acacctacgt gtatgctgtg 120
gagaaaggga agagctgaca tgtgtacgta tatgtatatg caacacctgt gagaccccca 180
ttcagggtcaa ggaaaaccgt tgctgcacc ccaagggcc catatttgcc cctccccatc 240
acagtcctgc ccttcaccct caagcacggt cctaaacttg tctgcacttt agaaacacct 300
ggagagcatt gaaaactctg ctgcctaagg tcagcatcaa tcaaaacaat gaaatcaatg 360
aaacaatgaa accagagctt ctaggtgtgt ggctggata gtggtagatt caaagctcca 420
cccacctcat ccaggtaca tttgatgtgc ag 452

```

<210> 830

<211> 450

<212> DNA

<213> Homo sapiens

<400> 830

```

ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgccc cctgcagagt caacagggtcc agcctcacag 120
tgcacgccct gagctacagc ctctcccaaa aggcattctc cccacagcct caacgccgag 180
caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaataaaaa 300
agaaaatgcc agaaacatct ttaaatgcct tgtcacacca acagcaaagt gcacagagtg 360
aggagaacac gagagtgcct tttcatttta aaaatgtttg gaaatatgta caactttgat 420
acagtttcag ggtgctccag acacccatgg 450

```

<210> 831

<211> 395

<212> DNA

<213> Homo sapiens

<400> 831

```

ctctaaaccc ctccacattc ccgcggctct tcagactgcc cggagagcgc gctctgcctg 60
ccgcctgcct gcctgccact gagggttccc agcaccatga gggcctggat cttctttctc 120
ctttgcctgg ccgggagggc cttggcagcc cctcagcaag aagccctgcc tgatgagaca 180
gaggtggtgg aagaaactgt ggcagaggtg actgaggtat ctgtgggagc taatcctgtc 240
caggtggaag taggagaatt tgatgatggt gcagaggaaa ccgaagagga ggtggtggcg 300
gaaaatccct gccagaacca ccactgcaaa cacggcaagg tgtgcgagct ggatgagaac 360

```

395

<211> 291

<212> DNA

<213> Homo sapiens

<400> 832

ctgactcttc	catctgtgca	ggttgactga	ggtcattcct	gagttgcagt	atgttgagag	60
ggtaaatattt	ctgtctttctc	taactcccca	tactcccttg	tcttccactc	tccacttagg	120
agtttttttg	gagttatgtc	cttggtgctt	ttgcctcttt	ttctttctag	ccttgattgt	180
gccagaaagac	aatgtcccta	ttcacacact	ctttctgctt	ttctgtgggc	aggaacatgg	240
aaggggtgct	gatggacgtg	gactgtgaga	qcgtctaccc	cactgtgtaq	q	291

<210> 833

<211> 491

<212> DNA

<213> Homo sapiens

<400> 833

ctgtagcttc	tgtgggactt	ccactgctca	ggcgtcaggc	tcaaggtaget	gctggccgcg	60
tacttgttgt	tgctttgttt	ggagggtgtg	gtggtctcca	ctccgcctt	gacggggctg	120
ctatctgcct	tccaggccac	tgtcacggct	tccgggtaga	agtcacttat	gagacacacc	180
agtgtggcct	tgttggcttg	aagctcctca	gaggaggcg	ggaacagagt	gaccgagggg	240
gcagccttgg	gctgacctag	gacggtcagc	ttggtccctc	cgccgaagac	cacattattg	300
ccgtcccacg	tctgacagta	atagtcagcc	tcatccatag	cctgggtccc	gctgatggtc	360
agatgggctg	tgttcccaga	gttgagcca	gagaagcgct	cagggatccc	tgaagaccgc	420
tattatctt	gataaatgac	taccacaggg	gactggcctg	gcttctgttg	ataccaacaa	480
gcagatacct	g					491

<210> 834

<211> 308

<212> DNA

<213> Homo sapiens

<400> 834

ctggtcgagg	tccacgccgc	ggtaggtgaa	cttgcggaag	gtccgcttct	tcttctgctc	60
tacttctgcc	gtgctggaga	acatcgaact	gaacaagaag	agtatgtatt	cccgtgtgcc	120
agagtgccag	gtcaccacat	actattatgt	tgggttcgca	tatttgatga	tgcgtcggtta	180
ccaggatgcc	atccgggtct	tgcccaacat	cctcctctac	atccagagga	ccaagagcat	240
gttccagagg	accacgtaca	agtatgagat	gattaacaag	cagaatgagc	agatgcatgc	300
gctgctgq						308

<210> 835

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

 $\langle 222 \rangle$ 365, $\bar{402}$, 406
$$\langle 223 \rangle \quad n = A, T, C \text{ or } G$$

<400> 835

```

ctgacatggt aactgtgatg cataaaactc gatcttctga tggggagtaa gtgcagaagg 60
tagaaatctc cgccccgcgg gggcttatct gtactggtag ttcattgctgt ggtctgcgtt 120
tctgccatag ccgccttggt aggactggta ggagctggga gggccactgt agttctggcc 180
ggacccccgg gagttgtagt tcgactgtga gtagcctcct tgtttgcctt ggtatgagga 240
gccgccccca gaacctccgc cgtagccccc gtgtgaccct gggttgtagg atgccccgcc 300
tgagccgtag ctgttccgcg cgcttcggcc tccactacca ctgtagttga atttgctctc 360
gtagntgtag tcggatccgc ccccgccccc gggagagttg tngganttcg agtaggagta 420
gctgccttgt ccatggttat agcctttctg cttgcctgtt ggagggccat ag 472

```

<210> 836

<211> 354

<212> DNA

<213> Homo sapiens

<400> 836

```

ccagtgaac cttcagatag acacatgggt accagagccc gccaggcttc tgcaggtggc 60
agtgtcgagc aagtgaaga tgtctgtggg aaggagaagc tcctgaaatg aacgttctgc 120
aaacagaagg ctgaggggtc ttccaggcat gtccagtcac taggagctgc caccgggtggg 180
cttgagtgcc aggtcttagg ctttgtgcag aaagcaccgc gggcgggggg cggtaaggga 240
gagcaaaatg ggtctctctc aactgcagtc agtgctcctg ggaacacggg ctcacagaca 300
gcacatattc tacgtcacag ctctaggggt tcaaggactt agccatccga cagg 354

```

<210> 837

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 282

<223> n = A,T,C or G

<400> 837

```

ctgaaaatga aggtaattaa aaccatggag gcgatcagcg aggttctcca ggaccttagg 60
tttgatgcgg aatctgccga gtgatggcgg ctccccaggg atgcgccgag ggagatggga 120
aacggggcgg atggcgccca gccagccctt aactgccagc cacattgaag cggacattgg 180
caaccgggtc cccagccatg cgcagaaccg tgggtagcat gtgcttggtg gtgatgtcct 240
gccacagacg ctcagacggc acattgatgc agaagagcgt antcatgcgg tgcaggtagt 300
tggggtctcc ggacatgg 318

```

<210> 838

<211> 277

<212> DNA

<213> Homo sapiens

<400> 838

```

ctgcgcgtcg ccaaagtgaac aggcgggtgcg gcctccaagc tctctaagat ccgagtcgtc 60
cggaaatcca ttgcccggtg tctcacagtt attaaccaga ctcaaaaaga aaacctcagg 120
aaattctaca agggcaagaa gtacaagccc ctggacctgc ggcctaagaa ggcacgtgcc 180
atgcgccgccc ggctcaacaa gcacgaggag aacctgaaga ccaagaagca gcagcggaag 240
gagcggctgt acccgctgcg gaagtacgcg gtcaagg 277

```

<210> 839

<211> 276

<212> DNA
 <213> Homo sapiens

<400> 839
 ccaaggaatg caggctgtac tatctgcgaa atggagaacg tatttcagtg tcggcagcct 60
 ccaagctgct gtccaacatg atgtgccagt accggggcat gggcctctct atgggcagta 120
 tgatctgtgg ctgggataag aagggtcctg gactctacta cgtggatgaa catgggactc 180
 ggctctcagg aaatatgttc tccacgggta gtgggaacac ttatgcctac ggggtcatgg 240
 acagtggcta tcggcctaata cttagccctg aagagg 276

<210> 840
 <211> 453
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 387
 <223> n = A,T,C or G

<400> 840
 ctttctttgc catgaccaag ctctttcagt ccaatgatcc cacactccgt cggatgtgct 60
 acttgaccat caaggagatg tcttgcatg cagaggatgt catcattgtc accagcagcc 120
 taacaaaaga catgactggg aaagaagaca actaccgggg cccggccgtg cgagccctct 180
 gccagatcac tgatagcacc atgctgcagg ctattgagcg ctacatgaaa caagccattg 240
 tggacaaggt gccagtgct tccagctctg ccctcgtgtc ttccttgcac ctgctgaagt 300
 gcagctttga cgtgggtcaag cgctgggtga atgaggctca ggaggcagca tccagtata 360
 acatcatggt ccagtaccac gcactanggc tctgtacca tgtgcgtaag aatgaccgcc 420
 tagccgtcaa taagatgac agcaaggtcg cac 453

<210> 841
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 841
 agcctctcta gtggcagagc agctcacact ccctccgctg ggaacgatgg cttctgccta 60
 gtacctatcc ttgtgtttct gatgcagtgg tagcattggt tcaagttctc tctgctgtg 120
 gtcagagttg cttcgatgtt gg 142

<210> 842
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 842
 cctaaaagca gccaccaatt aagaaagcgt tcaagctcaa caccactac ctaaaaaatc 60
 ccaaacatat aactgaactc ccc 83

<210> 843
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 843
ccatcggtgt ctggcagatg cggcacctca agagcttctt tgaagccaag aagcttgtgt 60
agctgtccca ggcgtcacaa cccatcctcc caggctgggg gagaaaggac ctccctggaac 120
tgacttcttc tgtcaggagg actggtttcc agccatacct gttctggaag ggagaggggc 180
tggaggcacc cacaggcaca agctgaaggc agcagcttgg ctaatactga gcaggtagtg 240
gggcaaattc ctgccctctc tctctggcct ctgggcccgtt tggtagtaat caccagggg 300
ctggtaaagc ccctcctctt ggcacctcag aatcacagtg ttactgatca gggatgtgag 360
gctgctgttg ggggtggggg gaggggaatg ggcaggcaag ccagtcttct gtcttccttt 420
gctaacttag ggttttgagc aggttggggg tatggtgcct gtcataccca cctgccaccc 480
tg 482

<210> 844
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 495, 508
<223> n = A,T,C or G

<400> 844
ccagattttt caagttttaa ggaggaaact gcttattgga aggaactttc cttgaagtat 60
aagcaaagct tccaggaagc tgggatgag ctagttgaat tccaggaagg aagcagagaa 120
ttagaagcag agttggaggc acaattagta caggctgaac aaagaaatag agacttgag 180
gctgataacc aaagactgaa atatgaagcg gaggcattaa aggagaagct agagcatcaa 240
tatgcacaga gctataagca ggtctcagtg ttagaagatg atttaagtca gactcgggcc 300
attaaggagc agttgcataa gtatgtgaga gagctggagc aggccaacga cgacctggag 360
cgagccaaaa gggcaacaat agtttctact gaagactttt gaacaaaggc taaaccaggc 420
cattgaacga aatgcatttt tagaaagttg aacttgatga aaaaggaatc tttgttggtc 480
tctgtacaga ggttnaagga tgaagcanga gatttaaggc aagaactagc agtt 534

<210> 845
<211> 175
<212> DNA
<213> Homo sapiens

<400> 845
tcgacctgtg gcaaattgtg ctaccctgcc aagcgcaaga gaaagtataa ctggagtgcc 60
aaggctaaaa gacgaaatac caccggaact ggctcgatga ggcacctaaa aattgtatac 120
cgcagattca ggcattggatt ccgtgaagga acaacaccta aaccaagag ggcag 175

<210> 846
<211> 179
<212> DNA
<213> Homo sapiens

<400> 846
cgctgggaca gttgcgaggg gtctgtgtga aggcacttgt cacgagcttc aatactgccg 60
ccgtcccagg atgggagaac tgcgcagcag gaagggcact tctgaaagca cagtggagag 120
atcgctggag cgggcgttct gggcaggagg aagcacagac ggcaggcagg gtggactgg 179

<210> 847
<211> 410

<212> DNA
<213> Homo sapiens

<400> 847
ccaccaaaac cagtcacaag acctggagtt gtctgtgcag atgtacgccc aagccgccct 60
ggatggagac tcccagggat tttttaacct ggccctgcta atcgaggaag gtacgataat 120
cccacaccat atcttgatt tcttggaat tgactcaact ctccattcta ataacatctc 180
cattctccag gaactgtacg aaagggtgctg gagccacagt aacgaggagt ccttcagccc 240
ctgctccttg gcctggcttt acctgcactt gcggttctc tggggtgcta tctgcactc 300
agccctgatc tactttctgg gaacctttct gctatccata ttgatcgctt ggactgtgca 360
gtatttccag tctgtctcag caagcgatcc cctccaaga ccatcccagg 410

<210> 848
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 508
<223> n = A,T,C or G

<400> 848
cacgggcccc cagccctgtg tcggccttgt ctgtctcagc tcaaccacag tctgacacca 60
gagcccaactt ccatcctctc tgggtgtgagg cacagcgagg gcagcatctg gaggagctct 120
gcagcctcca cacctaccac gacctcccag ggctgggctc aggaaaaacc agccactgct 180
ttacaggaca gggggttgaa gctgagcccc gcctcacacc ccccccatg cactcaaaga 240
ttggatttta cagctacttg caattcaaaa ttcagaagaa taaaaaatgg gaacatacag 300
aactctaaaa gatagacatc agaaattggt aagttaagct ttttcaaaaa accagcaatt 360
ccccagcgta gtcaagggtg gacactgcac gctctggcat gatgggatgg cgaccgggca 420
agctttcttc ctcgagatgc tctgctgctt gagagctatt gctttgttaa gatataaaaa 480
gggggtttctt tttgtcttc tgtaaggngg acttccagct tttgattgaa agtcctaggg 540
tgattctatt tctgctg 557

<210> 849
<211> 525
<212> DNA
<213> Homo sapiens

<400> 849
ctgatggttt ggaaatgaga gaactacagt ggtgaagaga ccaggaggca gctctcagt 60
aaaccaacat tgcggatgcc cttcgtgagc cttctcagtc ccagcaggaa gccacaaca 120
ctggcctccc cagcctgcct gctgacaaca cctaggctta cttatctaa aatcagagt 180
taccaggctc gtagcagaaa ataatcaact aaatgtcagg gacctatgag tcatttaaaa 240
caaaagagga agtgaaagcc attaggcaag ctatgtgctg ggctgctaac gtagccctg 300
cagggagggg tcaggagcgc gctgcagtga gccttgggtc tcgcaggccc agccctgctg 360
caaggagcca gggcaccag gaaacatcag cacacacaca cacagggacc ctcccttcat 420
gtcacttggtt ttgctgccct aaatggcttc ttgcacccta acccctgatc ctggaagaag 480
gcagagagac tggcccgtac agagacctgc aattctacgc aagct 525

<210> 850
<211> 384
<212> DNA
<213> Homo sapiens

<400> 850

```

cctcttgag caccatcctt actgcattgt ggacagcgag tgtaagtcaa gggatgtgct 60
ccagagttac tttgacctcc tgggggagct gatgaagttc aacgttgatg cattcaagag 120
attcaataaa tatatcaaca ccgatgcaaa gttccaggta ttcctgaagc agatcaacag 180
ctccctgggtg gactccaaca tgctgggtgcg ctgtgtcact ctgtccctgg accgatttga 240
aaaccagggtg gatatgaaag ttgccgaggt actgtctgaa tgccgcctgc tcgcctacat 300
atcccagggtg cccacgcaga tgctcttctt cttccgcctc atcaacatca tccacgtgca 360
gacgctgacc caggagaacg tcag 384

```

<210> 851

<211> 423

<212> DNA

<213> Homo sapiens

<400> 851

```

ctcaggaaaa accagccact gctttacagg acaggggggtt gaagctgagc cccgcctcac 60
accacacccc atgcactcaa agattggatt ttacagctac ttgcaattca aaattcagaa 120
gaataaaaaa tgggaacata cagaactcta aaagatagac atcagaaatt gttaagttaa 180
gctttttcaa aagatcagca attccccagc gtagtcaagg gtggacactg cagcgtctgg 240
catgatggga tggcgaccgg gcaagctttc ttctcgaga tgctctgctg cttgagagct 300
attgctttgt taagatataa aaaggggttt ctttttgtcc ttctgtaagg tggacttcca 360
gcttttgatt gaaagtccta gggtgattct atttctgctg tgatttatct gctgaaagct 420
cag 423

```

<210> 852

<211> 413

<212> DNA

<213> Homo sapiens

<400> 852

```

ctgaaaaacag tgggaggcca gatgctggca tttccagac gggagcatag ccatggtcac 60
tctagccgat gtctctctggg gctctcaggc ggcaaggacc agatgcacca ctactgtcca 120
atcccagttt tacttagagc cacctccttt tttggggcca ttagtcctta tttcatgcca 180
gattttcact agcggctccc tgttcttcca aatcaattca tgaccgtaag taacatacca 240
tattccaaaa agagctcccc caagatgtgc cgcgatgatca aaaaatttcc atcccaggat 300
cattcctgct gtatccatgg cgataatggc tttcagggca ttccctgctg tgaacgtgaa 360
catcggaagg aaaataatgg caagcctccc ttctgggatc ttagtgacaga cag 413

```

<210> 853

<211> 288

<212> DNA

<213> Homo sapiens

<400> 853

```

atctgtgagt totgagagge atttaggcca tgggacaggg aggatcctgt ctggccttca 60
gtttccatcc ccaggatcca cttgggtctgt gagatgctag aactcccttt caacagaatt 120
cacttggtggc tattagagct ggaggcacc ttagccactt cattcccttg atgggacctg 180
actcttcccc ataactactg accagccttg aactccctt tgcaaacat cccagcactg 240
caccacaggc agccactcct agccttggcc tttggcatga gatggggg 288

```

<210> 854

<211> 427

<212> DNA

<213> Homo sapiens

<400> 854

```
ccaagtgaga tcagccctca agggcacatg ccaagggcag agcagcccat gtagacagct 60
tcggagggca tgggggtgta gggagtctcg ggtagctcct cattaactat ttgttgggtg 120
agtaaagggg tgaggctcag tggcaggtac ctctgcaatg acaagctgcc tcccctctat 180
gtgttttagca tatgttatta gaacgtgtcc gacaccctta ccgctgccat ttgggccctt 240
taataaagcc aagtagagaa atctggcaat aaaaggcaaa tgtaagcatg ctttctttaa 300
gacgcatcat aaatggtttt ctttaagtga atggaagagt ttgacagaga tacacctttg 360
taagaaaaca ttaagaatgc tggctgactg tggtggtcga cacctgtatt cccagcactt 420
tgggagg                                           427
```

<210> 855

<211> 311

<212> DNA

<213> Homo sapiens

<400> 855

```
ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
cgagctgcca gcagaagctt ctcccagggt ctcttgagat ttatgatata gatgccatca 120
cttttccttt tatagatgta ctgttccatc tggaagtcaa gattgggtgcc acctaagtgg 180
gttcctgctg caaggaactt aaggacatcc tcctccttca tttgcaggac atcaagggct 240
ccggacattg tgaaagtttc cttttaagtt acgacgggaa tccagaacaa cgccgtatgg 300
acccctctgc a                                           311
```

<210> 856

<211> 328

<212> DNA

<213> Homo sapiens

<400> 856

```
cctatggaag tttggtgctt tgctccctgt gtttgcgaaa caggatatctc gtgatttcag 60
aaaagcttga ggagattaag tctttccggg agctgacctg cctggatctt tcctgttgca 120
agcttggaag tgagcatgaa cttctagaac atctcaccaa tgaagccctg tctagtgtaa 180
ctcagctcca cctgaaggat aattgtctat ctgatgctgg ggtgcggaag atgacagcac 240
cagttcgagt gatgaaaaga ggtatccaat gcctgcatct gtgatctcag ggttacatga 300
taagtctaata aatgttagat tctcaagg                                           328
```

<210> 857

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 473

<223> n = A,T,C or G

<400> 857

```
ctgaccggac cggtcattgcc cgtccggaac gtctataaga aggagaaagc tcgagtcac 60
actgaggaag agaagaattt caaagccttc gctagtctcc gtatggcccg tgccaacgcc 120
cggctcttcg gcatacgggc aaaaagagcc aaggaagccg cagaacagga tgttgaaaag 180
aaaaaataaa gccctcctgg ggacttgga tcagtcggca gtcattgctgg gtctccacgt 240
ggtgtgtttc gtgggaacaa ctgggcctgg gatggggctt cactgctgtg acttcctcct 300
```

```

gccaggggat ttggggccttt cttgaaagac agtccaagcc ctggataatg ctttactttc 360
tgtgttgaag cactgttggt tgtttggtta gtgactgatg taaaacgggt ttcttgtggg 420
gaggttacag aggctgactt cagagtggac ttgtgttttt tctttttaaa gangtaaggt 480
tgggctggtg ctcacagacc tc                                     502

```

```

<210> 858
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<400> 858
cggccgaggt ccttaatagt taagttacag ctaagaatgt catgtcttgg gttggaattt 60
tcatttttag caccgttaat gtattcactt aaatctatgt tagcaccttg tctccaggca 120
gaacaacaaa ccatccaaac attttaaaaca ttgggggaaa cacgaagggg agggttaaag 180
acagaatcca gtactgtgga aggagtggat ttagatcaca agatccttgt cgatatacctt 240
ctgcttgatg ccgaagcagc cggcccactc atccagggcg atgtacttgt cattgtccag 300
gtcacaggtc tcgaaaaagc ggggtgtgca atgctccatg gggatgaggg gagcacgcag 360
tggagccagc tcggtgtggg agaggtaccc gtcaatgggg tgctggtcca g          411

```

```

<210> 859
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<400> 859
aaatcacaga gggacttagt attccattaa tgcaaatgga aacattaagt tcatcatcag 60
atgataaaag gaaaaaaaaa acctgatact catctcaaaa gacgcagaga agacatctgc 120
ataaatccag tacctattat tatttcaaat ttaaaaactt cttctttttt aagagataggt 180
gtatcactat gttgccccag ctgatcttga actcttggcc tcagatgatc ct          232

```

```

<210> 860
<211> 235
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 230
<223> n = A,T,C or G

```

```

<400> 860
tgcccagaaa ggaaggggct attgcctcct cccagccacg ttccctttcc tcctctccct 60
cctgtggatt ctcccatcag ccactctggt ctccctctta ggccagttga agatgggtccc 120
ttacagcttc ccaagtttag ttagtgatgt gaaatgtccc tgtccctggc cctacctcct 180
tcctgtcccc caccctgca taaggcagtt gttggttttc ttccccaatn ctttt          235

```

```

<210> 861
<211> 457
<212> DNA
<213> Homo sapiens

```

```

<400> 861
ccaaaggaaa gttggaaggc aactgacaga ttctgccttt taggtacttg aactggcagg 60
aaatgcatca aaagacttaa aggtaaagcg tattaccctt cgtcacttgc aacttgctat 120

```

```

tcgtggagat gaagaattgg attctctcat caaggctaca attgctgggt gtggatatgtt 180
aacttctaac attttaaaaa atttcttcag aggaaggaat tttttgctgc ttttaattag 240
tttttccagg agaggaaatt taagtatatatt ttcaatgatg gaagtatgggt tgtatcatga 300
aatttgattt atatgtataa ctcaatgaat ttttacctca tacttgagct gcatgttttt 360
aaagatacct ttcaagttga acagtataca ctttcttgggt ttcaaatact gtgatttttt 420
aaaaaatctt aagtagaatt aattcctgtc actcccc 457

```

```

<210> 862
<211> 561
<212> DNA
<213> Homo sapiens

```

```

<400> 862
ccagggtcatc accattggca atgagcgggt ccggtgtccg gaggcgctgt tccagccttc 60
cttcctgggt atggaatctt gcggcatcca cgagaccacc ttcaactcca tcatgaagtg 120
tgacgtggac atccgcaaag acctgtacgc caacacgggt ctgtcgggcg gcaccaccat 180
gtatccgggc attgccgaca ggaatgcagaa ggagatcacc gccctggcgc ccagcaccat 240
gaagatcaag atcatcgcac cccagagcgc caagtactcg gtgtggatcg gtggctccat 300
cctggcctca ctgtccacct tccagcagat gtggattagc aagcaggagt acgacgagtc 360
gggcccctcc atcgtccacc gcaaattgctt ctaaaccggac tcagcagatg cgtagcattt 420
gctgcatggg ttaattgaga atagaaattt gccctggca aatgcacaca cctcatgcta 480
gcctcacgaa actggaataa gccctcgaaa agaaattgtc cttgaagctt gtatctgata 540
tcagcactgg attgtagaac t 561

```

```

<210> 863
<211> 291
<212> DNA
<213> Homo sapiens

```

```

<400> 863
ccatagctgt cccacctatg gttttaaaaa cagactgtaa cttgatcttc tgaaatcctt 60
ctcgaaccac aactcgttct gttaaagaaa tcctaggaaa gaagtcctac tgatattgtc 120
gatagtctcc aaaagggtgag gaaggtaact gagtgaagg caactgggag gggcttctg 180
caaaactgag accattggaa aactgtgcag aggcaaatct tgtcaacaag ataccagctc 240
cttcaattaa agctaggaga atgccacca ttgcggctga cccaaccatg g 291

```

```

<210> 864
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 864
ctgaactttt ccacctggag tccttgggaa taccggacgt gatcttcttt tatagggtcca 60
atgatgtgac ccagtccctgc agttctggga gatcaaccac catccgcgtc aggtgcagtc 120
cacagaaaac tgtccctgga ggtttgctgc tgccaggaaac gtgctcagat gggacctgtg 180
atggctgcaa cttccacttc ctgtgggaga gcgcggctgc ttgcccgtc tgctcagtgg 240
ctgactacca tgctatcgtc agcag 265

```

```

<210> 865
<211> 144
<212> DNA
<213> Homo sapiens

```

```

<400> 865

```

```

cctccacctg cgttttgatc tagatgagca tattgtccat ctcccacagc ttgctccggt 60
tccgcaggta cgcccgcocg tgctcgcgcg tcagcgcgcg gatgtcctcg cgcctctcgt 120
tgatgaccgg gagcagaaac tgct                                     144

```

```

<210> 866
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 866
ctggctgtaa gtagcttcat agcaccagtc tttgagaatg tcaagctctc cagaaatcat 60
ggcctccagg acattgggga tgatgtcggt ctgcgactgt ttcagaaacc ggctcttgct 120
aaaggccggg tccacccgga ggatctccgt gagcacctcc gacatctctg tcttgagaa 180
caggccccc agcaagtcgg tgaccttgct cgtaaggggc cgggatgccc ggatgaacgc 240
g                                     241

```

```

<210> 867
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<400> 867
cctgggcccc ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120
ggctcactgc aacctctgcc tcctgggctg cagtgattct cctgcgttca agtaattctc 180
ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
ttcgtatttt tagtagaaat ggggtttcac catgttggcg aggctgggtc cgaactcctg 300
acctcaagga tcctcctgcc tcggcctcct aaggtgctgg gattgcagggt gtgagccacc 360
acgt                                     364

```

```

<210> 868
<211> 472
<212> DNA
<213> Homo sapiens

```

```

<400> 868
ccaccagtcc acagatgtga ctggtaaggg atctagtaac agaggatgga gttgggcaga 60
atattatcct ggatgatatg caccagcac taggatacac ctttcattag aatgaagaga 120
acagacaaag ccctcagaaa agatacaaaag gcagagacat tgattagaac attatctcat 180
aacagagggtg gggccattac ccaccattat tgtaaaataa ctgtaactaa ccaaaacaca 240
tacaggcttc ttaaatggag ttaataaaac tatggcacat tgggaatcag gggcagagggt 300
actgttccca gacggaaaac tgggataaaag ggagccatgc tgacagggcc ttattccagt 360
ctaggttggt agaaaggagc ctagcccgag aaatgacagc aaatagccat aatcattatg 420
tggggctgaa ccagaggaag ccaggctgag ccaagaagct ggaagtatct tg 472

```

```

<210> 869
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<400> 869
cctttcttgt aagtgaagaa aaaggaatgc agcaaagaag agttcgacat tggagtcctt 60
agttccatca ggatccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg 120
gctgagatag gtgcaatgac ctacaagatt ttgtgttttc tagctgtcca ggaaaagcca 180

```

```

tcttcagtct tgctgacagt caaagagcaa gtgaaaccat ttccagccta aactacataa 240
aagcagccga accaatgatt aaagacctct aaggctccat aatcatcatt aaatatgccc 300
aaactcattg tgacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat 360
ttacatgg                                     368

```

```

<210> 870
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<400> 870
ggcgtgtcct tggacttaga gagtggggac gtccggcttc ggagcgggag tgttcgttgt 60
gccagcgact aaaaagagaa ttaaatatgg gtgatgttga gaaaggcaag aagattttta 120
ttatgaagtg ttcccagtg caccaccgttg aaaagggagg caagcacaag actgggccaa 180
atctccatgg tctctttggg cgggagacag gtcaggcccc tggatactct tacacagccg 240
ccaataagaa caaaggcatc atctggggag aggatacact gatggagtat ttggagaatc 300
ccaagaagta catccctgga acaaaaatga tctttgtcgg cattaagaag aaggaagaaa 360
gggcagactt aatagcttat ctcaaaaaag ctactaatga gtaataattg g          411

```

```

<210> 871
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 14, 15, 27, 108, 113, 159, 199, 215, 221, 229, 245, 258,
260, 277, 284, 293, 309, 311, 325, 339, 350, 374, 377
<223> n = A,T,C or G

```

```

<400> 871
tttttttttt tttnnttttt ttttttnaaa gattcacttt atttattcat tctcctccaa 60
cattagcata attaaagcca aggaggagga gggggggtga ggtgaaanat ganctggagg 120
accgcaatag gggtaggtcc cctgtggaaa aagggtcana ggccaaagga tgggaggggg 180
tcaggctgga actgaagganc aggtgggggc acttntccct ntaacactnt cccctgttga 240
agctntttgt gacgggcnan ctcaggccct gatggngac ttencaggcg tanactttgt 300
gtttctcgna ntctgctttg ctcanctgca ggggtgctgnt gaggctgtan ggtgctgtcc 360
ttgctgtcct gctntgngac actct                                     385

```

```

<210> 872
<211> 184
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 17
<223> n = A,T,C or G

```

```

<400> 872
cttccttcgg tctttantat ttttgattgt tatgtaaaac tcgcttttat tttaatatgt 60
atgtcagtat ttcaactgct gtaaaattat aaacttttat acttgggtaa gtcccccagg 120
ggcgagtcc tcgctctggg atgcaggcat gcttctcacc gtgcagagct gcacttggcc 180
tcag                                     184

```

<210> 873
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 873
 ctgtgggctc tgaatggcgt ccctttggct atccacgccg ccggcgacca ctgaattctg 60
 tggttctaca acaggggtctg gctgaccgaa ttgtcagaga cgtccaggaa ttcacgata 120
 accccaagtg gtacactgac agaggcattc cttacagacg tggctacctg ctttatgggc 180
 cccctggttg cggaaagagc agttttatca cagccctggc tggggaactg gagcacagca 240
 tctgcctgct gagcctcacg gactccagcc tctctgatga ccgactcaac cacctgctga 300
 gcgtggcccc gcagcagagc ctggtactcc tggaggatgt ggatgctgct tttctcagtc 360
 gagacttggc tgtggagaac ccagtaaat accaagg 397

<210> 874
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 874
 ccagaagaac actatgccat ggttgcaactg aattttgtgc ctactctagg gcaaacagaa 60
 ttacaatcga aggagttcct atctatctgt aaagaagaga acatgaaatt ctgttggcag 120
 aagcagcatt ttgaagaaat aaaagggttca ctgcag 156

<210> 875
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 504
 <223> n = A,T,C or G

<400> 875
 ccagcatagc gaaaacttgt ctctactaaa aatacaaaaa ttagtcaggc atgggtgggtgc 60
 acgtctgtaa taccagcttc tcaggaggct gaggcacgag gatcacttga acccaggagg 120
 aggaggttgc agtgagctga gatcatgcca gggcaacaga atgagacttt gtttaaaaaa 180
 aaaaaaagtg acttgattta agggaaaaaa tgactggcta tattcagtca gatatggcaa 240
 agagtctcaa ggtgttaatg tgaatgatta aggtcttggg gggggtgtcc cctatcagac 300
 tacaggtgtt tagaggcaca gaaaaagggtg cagttgggtt cttaatgtga aatgatgaga 360
 agcacaactc cagtgtgtct ctttgtgtag aatgtcagca gacaccccct gctagatgtg 420
 ctggatcatg ggaaagcatt tccatttgtt aatagattgt tcagaagttt taatttatga 480
 tgggtgtggt ggctcatgcc tgngtccca gc 512

<210> 876
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 876
 cctgtgccgg gccccagggc tggcagccac cagctcctct tccaggcatg ggggacaccc 60
 tgacaggatc cggaagtctc catttaccca aaaatgcaag agccatgatc agtcatggcg 120

acactgcagg cggtactgag tgaccatgtc cagtccggct ccgtccctcc cacacggggg 180
acaagcttct ccgaggagg 199

<210> 877
<211> 486
<212> DNA
<213> Homo sapiens

<400> 877
cgcggtgtgct gctcccttct gccaggagcc cactgctttt gcacacaagc tgcattttgc 60
gcattgactc aggtcccagt tgctcttcat atctccgtga atgattggag tgcaaagata 120
ctgttctgag cgcttcccgt tttctgaaag ccatgtctct caggcatgcc tcgcttagtt 180
ggcgatgggg ttggttgact gttttcgctt ttttcttctt ctcttttctt cttcttcttc 240
tttttttttc ttttctttt ctccccctcc caacgccact gacaagaaag cactaaagat 300
gcaggttggt cgatcacctc ataacataag gaaaagaaca ggagagggtt atttgaacgt 360
gtaggctagt ggtagaggga gatggaggtc tggggaaaga gtctgtcagg tagacatctc 420
ttttaacatg tcccagtatt cggttcacca gtatctctgc acctcactac tacccttcac 480
tccttg 486

<210> 878
<211> 363
<212> DNA
<213> Homo sapiens

<400> 878
cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttactgagat ggagtcttgc tctgtcaccc aggtctggag gcagtgggtc aatctcggct 120
cactgcaacc tctgcctcct gggctgcagt gattctcctg cgttcaagta attctcctgc 180
ctcggccttc tgagtagttg ggattacagg catatgccac cacacttggc taatttttgt 240
atttttagta gaaatggggg ttcaccatgt tggcgaggct ggtctcgaac tcttgacctc 300
aaggatcctc ctgcctcggc ctctaaggt gctgggattg caggtgtgag ccaccacgtc 360
tgg 363

<210> 879
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 357
<223> n = A,T,C or G

<400> 879
gccatgccca gcgtgtgggc agcacgcaca acttgtggct gctgtccttc ctgaggaggt 60
ggaatgggag cacagccatc acagacgata ccctgggtgg cactctcacc attacgtgc 120
ggaatctaca accccatgat gcgggtctct accagtgcc gagcctccat ggagtgagg 180
ctgacaccct caggaaggtc ctggtggagg tgctggcaga cccctggat caccggaatg 240
ctggagatct ctggttcccc ggggagctct agagcttcga ggatgccat atggagcaca 300
gcatctccag gagcctcttg gaaggagaaa tccccttccc acccacttcc atccttntcc 360
tcctg 365

<210> 880
<211> 431

<212> DNA
<213> Homo sapiens

<400> 880
ccatctcccc tcacccaac ctggataaaa tgttacacta cccactaata taaccactga 60
cacacaaacc aagctccttc cagtttaaca ttgaacatca atctacattt ccagtgaatg 120
agctaaactt atgagcaggc cattcaactt ttcatgatac atttagtgct cagaaatggg 180
tgattccatt agcctgccct atagctcagg tggccaaga tggagcctat catcttcctt 240
ggggtgtttg gtgtttccaa gtaggagcat aaaaaggata ccgtccccta cccaccacc 300
ccatcccaca taccctcact ggcatccagg agaccagcag cagggtcaag accccaaatg 360
ttgggcacca caaataatgt gatatgtgcc aggagcacgg ggggtagggg tgaaagagaa 420
aaacaataag g 431

<210> 881
<211> 335
<212> DNA
<213> Homo sapiens

<400> 881
ccacagaggt ggtattacaa aatatacaaa gtgggtttctt tctttacatt tcatagaaga 60
agcctgcctc atttccaaat gagagcacta gaagcacaaa tcatgcagac catttactat 120
ataacttatg aaaaatgctg tacagggctg tgactataga tatagagtat ttggctctgt 180
ttgggaattg atatctacaa gggggagggt caggggagga ctgtctgata tcctgacttg 240
ctgggatggg ggagaagctg ggatggggga ggccccaatc ttgctgcacg gctacacca 300
ctctccttt cctagataag gctggagcgc actgg 335

<210> 882
<211> 353
<212> DNA
<213> Homo sapiens

<400> 882
atgcactcaa agattggatt ttacagctac ttgcaattca aaattcagaa gaataaaaaa 60
tgggaacata cagaactcta aaagatagac atcagaaatt gttaagttaa gctttttcaa 120
aaaatcagca attccccagc gtagtcaagg gtggacactg cacgctctgg catgatggga 180
tggcgaccgg gcaagctttc ttctcgaga tgctctgctg cttgagagct attgctttgt 240
taagatataa aaaggggttt ctttttgtct ttctgtaagg tggacttcca gcttttgatt 300
gaaagtccta ggggtgattct atttctgctg tgatttatct gctgaaagct cag 353

<210> 883
<211> 193
<212> DNA
<213> Homo sapiens

<400> 883
ctggcagaga agaatggcta cgtgactgtc agtgagatca aagccagtct taaatgggag 60
accgagcgag cgcggaagt gccggaacac ctgctgaagg aagggttggc gtggctggac 120
ttacaggccc caggggaggc ccactactgg ctgccagctc tcctcactga cctctactcc 180
caggagatta cag 193

<210> 884
<211> 461
<212> DNA
<213> Homo sapiens

```
<210> 885
<211> 266
<212> DNA
<213> Homo sapiens
```

<400>	885					
ctgcaatgct	tcancacact	tcagcaccga	ggctgggcat	gaggggtccg	tcaccaccac	60
atcaaatacc	cctaaagcaa	tatctttgtt	atgggcactt	gaatggtgct	gcttcacaga	120
ggctgcacca	ccagtcctga	ggatctcaga	ccagagctcc	aggaagtctt	gctgttggtc	180
tgtataccaag	agtaccttca	gattctggaa	aggattttca	cggggttgcc	agtccagaat	240
cttttgcctc	tcaaggctgt	acccag				266

```
<210> 886
<211> 402
<212> DNA
<213> Homo sapiens
```

```
<400> 886
cgcgtggttt ccgattgttt gatagtattt actggagaga tcatagaaac gactgtgaac 60
cgatgtcaca ccaggaaggt tgttgagcat ttcttcaaca tcttcaattg tttcctttgt 120
aacctgtagg tccccgatgt ttaatttttag agctccaatt gctgttttac acaggatcac 180
tgcctcatca ttacttttca ccttctcacg agtcttttcc agaaaagtaa gagccacatt 240
aggatcagtc atctgtctaa ctacatgaag aatgatttcc acgagggaca aagggttcac 300
cctgtgttca aattcactga taaagttttc ataaagctta atgagaccat ctcttgggc 360
aaagcacgga tctgcacaa aatcaagcac ctgaagtgtc ag 402
```

```
<210> 887
<211> 342
<212> DNA
<213> Homo sapiens
```

```
<400> 887
ccaaagcgag agcattggca gtgaattgca gacactcttc cttggtcatg ccttcccggt 60
aggtagcatc aacatagcca tagatgtagg agctcccgga gcctccaatg gcaaaggact 120
gccttaccat cataccccc ataggcactg agtacacctg ccctccttct tgagggtccc 180
agcctgcgat gatgattccc gccatcaggt cttcccggtg tcggtaaacac atctccttaa 240
agaggctggc tgctgtgtgg accagtggag gctcattcag ttcaatgctg tggaaaccga 300
gctggtaggt gacagcatca gctactgcct qggatcagc ag 342
```

<210> 888
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 888
 cgcgctcgcc aaggctgctg ctgttgctcc tccaaagaag gttggcttca aggccgtgtc 60
 cagggaccca cgagcagagg cactgggggg caagggatct ccaagggggc aagggatccc 120
 taaagggggg agctcacagg tgaggggggt tagggcccct ctagggagcg cctgaggcca 180
 tacattcaag agtgtccctg gtgaggccca gggaagagcc aggactgg 228

<210> 889
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 889
 ttggcttttc tccccttctc atcctcctct cccctttcct cactgaaggc tgtgagttgc 60
 tttcaatgtg acaacactat gatgtcattt ggaaggattt gccaggacag actgattctg 120
 agtcctgggt gccgtatgtg tatgcggcag tgttgtcagg cgatcttgtt tgaagctcta 180
 tgttgccata attaccatca agtacacact gttggcaaaa ggctaacacc tgactttagg 240
 aaatgctgat ttgagaacaa aaggaaaggt cttttttcac tgcttaaagt ggggtcactt 300
 tgataccttt gcggtcatgt ctgtgtctga tgagtgtaga atctctggat gtgcactgtc 360
 agtcatgtgt ccaccagg 378

<210> 890
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 890
 ccattttgga gtgtgtccat tgggtagcaa tgtgaaaacc accagggcct ttgtggagaa 60
 aatggagggg gttgagggag tcccaggagg ggcttatttg agggcctttg ccacttgctc 120
 ataggcgagc tcgatctcct catcatctgg acaggtggaa gcgaattctt cccgggcgta 180
 ggcattgctc aagtaccgat gcactccccg gaagg 215

<210> 891
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 891
 ctgggtcaagt tcaacagagc cttggctgac cattctatgg ctacaggcacc tcggctcatt 60
 gatggcattg ttcttaccac atttgatacc attgatgaca aggtgggagc tgctatttct 120
 atgacgtaca tcacaagcaa acccatcgtc tttgtgggca ccggccagac ctactgtgac 180
 ctacgcagcc tcaatgccaa ggctgtgggt gctgccctca tgaaggctta acgtggctct 240
 tgcccaatac caaatcgccg ctttccccac aagcccttct tcctgtatca agaattgtgt 300
 ttagagtatg tgagcaacct gtcttcagt tagtacaaag gcagagttag ggggcttgtg 360
 gtcctttcca accccactcc ccgttcagca cagccgccat ctgcaaggaa gg 412

<210> 892
 <211> 472
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 85, 169, 171, 181, 201

<223> n = A,T,C or G

<400> 892

```

tttttttttt tttttttttt ttaattacta ccttttattc taatgtgaac catggccctg 60
aaagctgata acaagcttgg ctgancagag ggaactaggg gtcggcagaa aggattatgg 120
gtggaaaaca ttggctcttc cttggggagt gatgctgggg aaagggaana nagtggctca 180
ncctgcaggt aaataggcta naaaagccaa ggccaaaggc tggaggggag aggacagtca 240
gcatgtccag cctgggggtct ggggtgtaggg ttatcccttc tccctgtgcc ttcccatctc 300
gtccatgagc ctaggtcttg gagccttggt ttggaggctg ctgtgatgtc aggaacgggg 360
atctgtctag cttttggcca cttcctggga cctcacgccc ctgttgacag atggagattg 420
ggcagcaggg ccttgctgctg ttgttatctg ctgttccgac ttggtttgct tt 472

```

<210> 893

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 436, 447, 449

<223> n = A,T,C or G

<400> 893

```

caaagattca ctttatttat tcattctcct ccaacattag cataattaa gccaaaggagg 60
aggagggggg tgaggtgaaa gatgagctgg aggaccgcaa taggggtagg tcccctgtgg 120
aaaaagggtc agaggccaaa ggatgggagg gggtcaggct ggaactgagg agcagggtggg 180
ggcacttctc cctctaacac tctcccctgt tgaagctctt tgtgacgggc gagctcaggc 240
cctgatgggt gacttcgcag gcgtagactt tgtgtttctc gtagtctgct ttgctcagcg 300
tcagggtgct gctgaggctg taggtgctgt ccttgctgtc ctgctctgtg acactctcct 360
gggagttacc cgattggagg gcgttatcca ccttccactg tactttggcc tctctgggat 420
agaagttatt cagcangcac acaacanang cagtttccag atttcaactg ctcatca 477

```

<210> 894

<211> 289

<212> DNA

<213> Homo sapiens

<400> 894

```

ctgtcttatg gctatgatga gaaatcaacc ggaggaattt cctgtgcctgg ccccatgggt 60
ccctctggct ctcgtggctc ccctggcccc cctggtgcac ctggtcccca aggcttccaa 120
ggccccctg gtgagcctgg cgagcctgga gcttcaggct ccatgggtcc ccgaggtccc 180
ccaggtcccc ctggaaaagaa tggagatgat ggggaagctg gaaaacctgg tcgtcctggt 240
gagcgtgggc ctcttgggcc tcagagtgtc cgaggattgc ccggaacag 289

```

<210> 895

<211> 179

<212> DNA

<213> Homo sapiens

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 <221> misc_feature
 <222> 14
 <223> n = A,T,C or G

<400> 895
 ctggatgggt ccanacaaag tggaatccct ggaaccttta actgagcagt gaaggtcagt 60
 gcctcagagc ctgagagatg aacaggacca gagagagagg tgggcaggca ggcacaaggt 120
 tatgtcttcc tcagactcgg aaccctgctc ttctccacca tccagacgtt cagctacag 179

<210> 896
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 367
 <223> n = A,T,C or G

<400> 896
 ccactcactg ctgggaccca ggcacctccc ttctccatcc tctctggatt gtcagtaatg 60
 tcctggaaca gaagcctgtg ggatggcctt gggcacggag aagccctggg gtcagtgtcg 120
 tgcacggatg gcggcagtgt tgaacccagg aggctgaacc cggcccacca cggaagatga 180
 gtgcatggca accgcctgcc ttcacgtcgc tccacttggg aaccccaagg tctgggctgt 240
 tctaggtatt gcttcacgtg ccccagcaag cccttaacaa gagggcctgg ttccctgaag 300
 aaccaatccc aggaaggggc ctgatccct ccgccttgct gagagtgaac cctcgtctct 360
 cctcacnctc catttcattt ctgggaattg gggcttagtt tcgaaccttt ggcaaggctg 420
 ttcttactaa tgcccaagcc cctttacccc tctccctata gggtacacag gggagaccag 480
 ggccctcgga gaagactgct gccacacttc cgaatcattc tgcttgccaa ataggtcac 540
 ttcaccagtt gactgac 557

<210> 897
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 897
 ctggaatctc ctttgcaatc ccatctgata agattaaaaa gttcctcacg gagtcccatg 60
 accgacaggc caaaggaaga gccatcacca agaagaagta tattggtatc cgaatgatgt 120
 cactcacgtc cagcaaagcc aaagagctga aggaccggca ccgggacttc ccagacgtga 180
 tctcaggagc gtatataatt gaagtaattc ctgatacccc agcagaagct ggtggtctca 240
 aggaaaacga cgtcataatc agcatcaatg gacagtcctg ggtctccgcc aatgatgtca 300
 gcgacgtcat taaaagggaa agcacctga acatggtggg ccgcaggggt aatgaagata 360
 tcatgatcac agtgattccc gaagaaattg acccataggc agaggcatga gctggacttc 420
 atgtttccct caaagactct cccgtggatg acggatgagg actctgggct gctggaatag 480
 gacactcaag acttt 495

<210> 898
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 898

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ccacgactgc atgcccgcg cgcagcagtg atacctccgc cggtagacca ggggctctgc 60
gacacagggg gtctgcatgt ctaagtgcct gacatgctca gctttgtgga tacgaggact 120
ttgttgctgc ttgcagtaac cttatgccta gcaacatgcc aatctttaca agaggaaacc 180
gtaagaaagg gccagccgg agatagagga ccacgtggag aaaggggtcc accaggcccc 240
ccaggcagag atggtgaaga tgggtcccaca ggccctcctg gtccacctgg tctcctggc 300
ccccctggtc tcggtgggaa ctttgctgct cagtatgacg gaaaaggagt tggacttggc 360
cccggaacca tgggcttaat gggacctaga ggccacctg gtgcag 406

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<210> 899

<211> 277

<212> DNA

<213> Homo sapiens

<400> 899

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cctaagagtc attaaaaaat tctccctttg taacctcagt gctggggact gaggcgagcc 60
ccctcaggtc gctggagtg accagctctg ggaagagggt gcaggagaag ctgtgttttt 120
tatctccaca cgcagtatga agataaaatt acatagtatt acctagacat agacagtatt 180
acctaggtag atgcactgct cacctgcacc cttcccagct ctcatTTTTT ttaggtgatt 240
tgggataggg atagtgtttt ggggtatggg gggagtg 277

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<210> 900

<211> 389

<212> DNA

<213> Homo sapiens

<400> 900

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ctgttttgaa atatttactg ttattaaaac ttgcttcaag ggaaattgtg aatatatttc 60
catatacaag cactagtaac agtaagtggc cctgtcatcc actaactcag gcaaagtaaa 120
gaatggcatt tttgaaggac attttacctc cccatatgat ttgattggct aggactttct 180
tctgtaaagt catacctttt cacatcttaa gtttttacat ttgccatttt ccaaattctca 240
attttgggca agaacgatat agtcacaact atggggctgc tttcaaaagc ggggctccat 300
ttctactgtc agatcaatgt ggtgctgtaa ccatcttttt atccctacct tcaagaacct 360
ccttatatga agcctgtctt tatccatca 389

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<210> 901

<211> 453

<212> DNA

<213> Homo sapiens

<400> 901

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ctggagacac ccacttgagg ggagaagatt ttgacaaccg aatggtcaac cattttattg 60
ctgagtttaa gcgcaagcat aagaaggaca tcagtgagaa caagagagct gtaagacgcc 120
tccgtactgc ttgtgaacgt gctaagcgta ccctctcttc cagcaccag gccagtattg 180
agatcgattc tctctatgaa ggaatcgact tctatacctc cattaccgt gcccgatttg 240
aagaactgaa tgctgacctg ttccgtggca cctgggaccc agtagagaaa gcccttcgag 300
atgccaaact agacaagtca cagattcatg atattgtcct ggttggtggg tctactcgta 360
tcccgaagat tcagaagctt ctccaagact tcttcaatgg aaaagaactg aataagagca 420
tcaaccctga tgaagctgtt gcttatgggt cag 453

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<210> 902

<211> 293

<212> DNA

<213> Homo sapiens

<400> 902

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cctccggcgcg cccccacggc tcccatggcc tcttcctgcg ctaccgtgtg gaggcctaa 60
ccctgcgtgg catcaatagc ttccgccagt acaagtatga cctgggtggca gtgggcaagg 120
ctttggaggg catgttccgc aagctcaacc acctcctgga gcgcctgcac cagtccttct 180
tcctctactt gctccccggc ctctcccgtc tcgtctccat tggcctctac atgcccgctg 240
tcggcttctt gctcctgggc cttgggtctca aggctctgga actgtggatg cag 293
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<210> 903

<211> 228

<212> DNA

<213> Homo sapiens

<400> 903

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ctggagactc tgggccagga gaagctgaag ctggaggcgg agcttggcaa catgcagggg 60
ctggtggagg acttcaagaa caagtatgag gatgagatca ataagcgta agagatggag 120
aacgaatttg tcctcatcaa gaaggatgtg gatgaagctt acatgaacaa ggtagagctg 180
gagtctcgcc tggaagggtc gaccgacgag atcaacttcc tcaggcag 228
```

<210> 904

<211> 388

<212> DNA

<213> Homo sapiens

<400> 904

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ccaagcgctc agatcggcaa ggggcaccag tcttgatctg cccagtgcac agccccacaa 60
ccaggtcagc gatgaaggta tcttcagttc cccccgaacg atgaggcacc atgacgcccc 120
aaccattggc ctgggccagc ttgcacgcct gaagagactc ggtcacggag ccaatctggt 180
tgactttgag caggaggcag ttgcaggact tctcgttcac ggccttggcg atcctctttg 240
ggttggtcac tgtgagatca tccccacta cctggattcc tgcactggct gtgaacttct 300
gccaagctcc ccagtcaccc tgggtcaaagg gatcttcgat agacaccact gggtagtcct 360
tgatgaagga cttgtacagg tcagccag 388
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<210> 905

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14

<223> n = A,T,C or G

<400> 905

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cggagccca cggnggtcat ggctgccaga gcctctgca tgctggggct ggtcctggcc 60
ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120
ccagccaagg acagggtgga ctgcggctac ccccatgtca ccccaagga gtgcaacaac 180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gcccctgcag 240
gaagcagaat gcaccttctg aggcacctcc ag 272
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<210> 906

<211> 525

<212> DNA

<213> Homo sapiens

<400> 906
 ctgtgcaccc gagtgtcctt tccccctaa gctggcacat aggagcaaaa gttcactaac 60
 cctgcagtgg aaggcaccaa ttgacaacgg ttcaaaaatc accaactacc ttttagagtg 120
 ggatgagggg aaagaaatag tggtttcaga cagtgtctct tcgggagcca gaagcactgc 180
 aagttgacaa agctttgtcc ggcaatgggg tacacattca ggctggccgc tcgaaacgac 240
 attggtacca gtggttatag ccaagagggt gtgtgctaca cattaggaaa tatccctcag 300
 atgccttctg caccaagggt ggttcgagct ggcatcacat gggtcacgtt gcagtggagt 360
 aagccagaag gctgttcacc cgaggaagt atcacctaca ccttggaaat tcaggaggat 420
 gaaaatgata accttttcca cccaaaatac actggagagg atttaacctg tactgtgaaa 480
 aatctcaaaa gaagcacaca gtataaatc aggctgactg cttct 525

<210> 907
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 907
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 gatgaataaa gaactaagta atatgggaaa tgcagcaatt tctggactag ctgagccgat 120
 tccttcctgt gagcacactg taagctttca agttctctgg gcaggaatta cagcacctgt 180
 cccctgcaat ggccctgctg tgtgatgctc atcgcttccc ttcgtgctgg agcagtcctc 240
 caggtgtcca tctcctatct tttgttcca atcttctgtg agttccagct agcaggcttt 300
 acatctgggg aaaggaaaac caggggtttt agctctgttc tctgctccca tcttcgctc 360
 accag 365

<210> 908
 <211> 608
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 594
 <223> n = A,T,C or G

<400> 908
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 gacagccaag atcacctgca ctggagatag gttgggggat gaatatgttt gctggtatca 180
 acagaagcca ggccagtccc ctgtattgat aatatatttg gataacaagc ggccctcggg 240
 gatccctgac cgattctctg cctacgcctc tgggaacaca gccactctga tcatcagcgg 300
 ggcccaagtt atggatgagg cttattatta ctgtcaggcg tgggacggca gaactgtggt 360
 gttcggcgaa gggaccaacc tgaccgtcct aggtcagccc aaggctgccc cctcggtcac 420
 tctgttcccc cctcctctg aggagcttca agccaacaag gccacactgg tgtgtctcat 480
 aagtgacttc taccgggag ccgtgacagt ggccctggaag gcagatagca gcccggtcaa 540
 ggcgggagtg gagaccacca caccctcaa acaaaagcaac aacaagtacg cggncagcag 600
 ctatctga 608

<210> 909
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 909

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ctggtctcaa actcctcacc tcaactgac cgcccacctt ggccctcccaa agtgctggga 60
ttataggtgt gagccaccgt gcccaaagtt aagtattttt gatcaagtgt tttgtctttt 120
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<210> 910

<211> 272

<212> DNA

<213> Homo sapiens

<400> 910

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ccggagccca cgggtggcat ggctgccaga gcgctctgta tgctggggct ggtcctggcc 60
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ccagccaagg acagggtgga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gcccctgcag 240
gaagcagaat gcaccttctg aggcacctcc ag 272

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<210> 911

<211> 263

<212> DNA

<213> Homo sapiens

<400> 911

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cctgcaggta caaattgacc aggtctgtga cggctgcctc cactgcggtg gaataattct 60
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gcaggtccca gaagcaggag atggccgaga agatgggtcc ggagggttgc agcggagagg 180
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ttgaagcaag agacagacct gcg 263

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<210> 912

<211> 470

<212> DNA

<213> Homo sapiens

<400> 912

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ctgtgagcac cagcccaacc ctacctcttt aaaaagaaaa aacacaagtc cactctgaag 60
tcagcctctg taacctcccc acaagaaaac cgtttttacat cagtcaactaa ccaaacaacc 120
aacagtgttt caacacagaa agtaaaagcat tatccagggc ttggactgtc tttcaagaaa 180
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ggagggtctt attttttctt ttcaacatcc tgttctgcgg cttccttggc actttttgcc 360
cgtatgccga agagccgggc gttggcacgg gccatacggg gactagcgaa ggctttgaaa 420
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```

<210> 913

<211> 426

<212> DNA

<213> Homo sapiens

<400> 913
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 cattgatgga gtagatcttg gcaacgtcat tgggtgactt cctgcttgcc tcatgaaaag 240
 tggctcctctg gaaggccag gtgaggctcg tggtagtgtt ctctcaatg atgtaggat 300
 aggactgtt gcctttggaa cctttccacg tctccacagg agtggtggtc ctagaattca 360
 caccaccat gaagtagagc tcacagttca cagaacagag ggtctcaaag acaaatgtga 420
 ttctgg 426

<210> 914

<211> 252

<212> DNA

<213> Homo sapiens

<400> 914
 ccaagctggg ggtgcgcaca tgtggaagaa ctggaggccc ggtgtcatga gcagaggctg 60
 taccctagat gcccgcccca gtgccagcca acccaagaca ggagaaagag tttggcagtt 120
 tcgctctga ggaatacatg cctggccctc ctgtgaggtg aggcggtagg ggggaaggcg 180
 caggctccga agtctgaggg cttgccggag ggggagtttc tgagcctttt gcatgggtgc 240
 atgccccctg cc 252

<210> 915

<211> 234

<212> DNA

<213> Homo sapiens

<400> 915
 ccactgggac tttggcttcc tgatgccgat tgtggatttc tgctgcaaag acagtgatgt 60
 tgagccaggc tgtttcctct ctatccagag gttttgtagt ttttaataaaa ccatcctctg 120
 gattaatagt gaaaaatctg tcgaggtcag tgtgacgatc gatggaatac cttatcgggc 180
 tgttggcagc atcagggctc ttggcatgca ctctcccaac cacggtgcca gcag 234

<210> 916

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 338

<223> n = A,T,C or G

<400> 916
 ccattcagtc tcanttcaga aaattccaga agaagaaggc tgggtctcag tcctagtggg 60
 agaacccct cctagtccac ctgaaaacac caaattcaac catcatctgt caagaaatta 120
 aaagaacaac accctagaga gaagtcattc acacacaatc cacacacgca tagcaaacct 180
 ccaatgcatg tacagaaacc tgtgatattt atacccttgt aggaaggat agacaatgga 240
 attgtgagta gcttaatctc tatgtttctc tccattttca ttctcctgc aactattttc 300
 cttgatgttg taataaaatg aagttacgat gagtgatnaa aaaaaaaaaa aaaaaaaaaa 360
 aaaaaa 366

<210> 917

<211> 492

<212> DNA
<213> Homo sapiens

<400> 917

```
ggcacagcga gggcagcatc tggaggagct ctgcagcctc cacacctacc acgacctccc 60
agggctgagc tcaggaaaaa ccagccactg ctttacagga caggggggtg aagctgagcc 120
ccgcctcaca cccacccccca tgcactcaaa gattggattt tacagctact tgcaattcaa 180
aattcagaag aataaaaaat gggaacatac agaactctaa aagatagaca tcagaaattg 240
ttaagttaag ctttttcaaa aaatcagcaa ttccccagcg tagtcaaggg tggacactgc 300
acgctctggc atgatgggat ggcgaccggg caagctttct tcctcgagat gctctgctgc 360
ttgagagcta ttgctttgtt aagatataaa aaggggtttc tttttgtctt tctgtaagg 420
ggtcttccag cttttgattg aaagtcctag ggtgattcta tttctgctgt gatttatctg 480
ctgaaagctc ag                                     492
```

<210> 918

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 527

<223> n = A,T,C or G

<400> 918

```
ctgctcctgg gtaggcgtgc gggccatata gtaggggtag gatactagcc gctcgccgcc 60
gttcagattt gctcccagca cgaaggggtt cttctccatc caggcaatga tggcccggac 120
ctccgtggat accgtggcat ctggcgaaag gtacggttca gggatgggca agttattggt 180
ggggacccgg taggggaccc atttctcttc ctgagctccc cagagcacag agttgagatc 240
cgggaaatct tcaaagatgt caaagccctc ctgagtcac agtcccagcg cccagttccc 300
aaactctgag cccatctgag ctgccacctc gtgagcatca ggggttcagt agggcaccag 360
gtggatgcgt gtgtcctgca ccaggctgag cacacgtggg ttcccatcgc ggtactctcg 420
gcacaggtag tgcatgagca gcagcaacag ctctcggccc agcacctcgt tgccatggat 480
cccagcagtg tagcggaact cgggctcccc cagttcatgc tccccanggt tgtctgagat 540
ctccatggca tagatct                                     557
```

<210> 919

<211> 407

<212> DNA

<213> Homo sapiens

<400> 919

```
ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
ggagacgatg tcatcatcat cggggctctt aagggggaga gtgaccagc ctaccagcaa 180
taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcatcaca 240
gaaatagcaa agttcttgaa agtctccag gggcagttgg ttgtaatgca gcctgagaga 300
ttccagtcta agtatgagcc ccggagccac atgatggacg tccagggtc caccagagac 360
tcggccatca aggacttcgt gctgaagtac gccctgcccc tggttgg                                     407
```

<210> 920

<211> 340

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14, 15, 304, 318, 319, 325
 <223> n = A,T,C or G

<400> 920
 cctcttgggc agcnnagggc cctgcctctg tttcatgatg catgggtcat ttgtcttggg 60
 tgtcctatcc catatggaga agaaaggggc tctaagttct ggctcttctt tctttggggg 120
 tctctgtacc tgaggaaacc aggccctggg tgactttgca gatctgctca ccctcgggtga 180
 gcaacagtgt cagccatgca agcaggacag aatggtgact ggggtgccctt ggtgagctgt 240
 gtatttccta ggaggtagaa aactgtggga aactgtggct aataaaaact aagtgtgagc 300
 gtcnaaaaaa aaaaaaanna aaaanaaaaa aagcttgtag 340

<210> 921
 <211> 571
 <212> DNA
 <213> Homo sapiens

<400> 921
 ggaaaaataa ttttattcct caaatgatca gcacattcag aagcaggaca gaggagctct 60
 gatgacatct ctgggggact caaagcggcc ctcatcttct ggtattttcc cagggtgattc 120
 tcttccaacc tgtgagtcct gctctctttc ctcccatctg aagtttgaga catcctctgc 180
 cacaaggaaa gccaccaata ccagcccaaa gagccaccag agaggaacca aaccacatgc 240
 atcaagttat aggaaggatg caagaaggga aattaggaag gaaagggagg agtttagttg 300
 gcattctggg gcatgctaac atgagggcga tggctctctt ccaagtcgct ggacatatcc 360
 cttttctttc cagggtgctcc aactccaatt gcagtttgagg ggaacgtgtg aaacttgttg 420
 aagtccctgcg tgtatgtgcc cagcatgcaa gtactcagat taccgcaccg cttagatctg 480
 gggtgttcca ggctggagcc ctctctctct tgctcctgct ccagctcaact ggccttcac 540
 tgcacatagt cctgcaccag tgcagccagc a 571

<210> 922
 <211> 262
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7, 12, 125, 198, 208, 214, 231, 253
 <223> n = A,T,C or G

<400> 922
 gcccaanaca tncaggtcac agcagattcg ggcacgtgtg gaagaagggtt ggatgatgtc 60
 atccacaaac cctcgactg ctgcagggaagggttgga aacttctcga tgtactctgc 120
 ctgancagct tccacattct catgcccttt gaagatgac tccacagcgc cctttgctcc 180
 catgactgca atctctgngg tgggccangc atanttggta tcaccacaaa ngtgcttaga 240
 gctcatgaca tcntaggcac ct 262

<210> 923
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 923

```

ccactgggac tttggcttcc tgatgccgat tgtggatttc tgctgcaaag acagtgatgt 60
tgagccaggc tgtttcctct ctatccagag gttttgtagt ttttaataaaa ccatacctctg 120
gattaatagt gaaaaatctg tcgaggtcag tgtgacgata gatggaatac cttatcgggc 180
tgttggcagc atcaggggtct ttggcatgca ctctcccaac cacgggtgcca gcag 234

```

```

<210> 924
<211> 152
<212> DNA
<213> Homo sapiens

```

```

<400> 924
ccaggattga caggccatcc attcacagcc aggagatgct gggccagttc ctccaagagg 60
tctccgtcat ggcagtgatg aaaacctaac aggggtggccc cctgtgccag ctcaggtgac 120
tggagcccga gggcctgaca ggttcccagc ag 152

```

```

<210> 925
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<400> 925
caatatcatg ccaaggaccc aaacaacctc ttcattggtgc gcttggcaca gggcctgaca 60
catttaggga agggcaccct taccctctgc ccctaccaca gcgaccggca gcttatgagc 120
caggtggccg tggctggact gctcactgtg cttgtctctt tcctggatgt tcgaaacatt 180
attctaggca aatcacacta tgtattgtat gggctggtgg ctgccatgca gccccgaatg 240
ctggttacgt ttgatgagga gctgcgccca ttgccagtgt ctgtccgtgt gggccaggca 300
gtggatgtgg tgggccaggc tggcaagccg aagactatca caggggtcca gacgcataca 360
acccagtggt tgttggccca cggggaacgg gcagaattgg 400

```

```

<210> 926
<211> 521
<212> DNA
<213> Homo sapiens

```

```

<400> 926
ccacgtccct attttagaaa tgagaggagt gactgcacac aggaaaaaatg ccacttttag 60
caattcaaag tggaaaaact tcttttatat aaaaattatc ccaactccca ccccttggct 120
ctcagtgttg catctccac agaggtaaag ttgtgccatt ttcccacggc tttaaacaaa 180
gcaaaacaaa accaccaatc ctaataaccc ccctccctgc cccgtctcca cgtgtgcg 240
agagggctct agccctcag tcggacttct ccttctcctt catgtgcaag aagacgatgc 300
tgaagatgaa gagccccagc atcatggaga aggcgctggc gtagtagggg taggccgagg 360
ggatgaagcg ctcatactgc gtgtgctgga gtggccgcac ggatacctga gtggaagagt 420
acaggtgtgt gtagcctagc cggttgtaat ccactttaaa ctggaatata ccatacacgt 480
cgggcaactt gaactgaaca ctgtatttgc cacctttctt c 521

```

```

<210> 927
<211> 520
<212> DNA
<213> Homo sapiens

```

```

<400> 927
ccaggctagt ctgaaactcc tgacctcagg tgatctgcct gcctcggcct cccaaagtgc 60
tgggattacc ggcgtgagcc accatgcctg gccttacatt ttttaaaatg agggaacaaa 120
tgaataaatg accaccatgt taggggctgg ctctgaacag aattgtaaag tgggccaagc 180

```

```

ttgctctcaa ggtcacctta agcccacggt tgetgtgtcc tgccctctca gggtcatttc 240
ccagcctcca ggcacctgtt cacagaggct gcatctggcc tcgcctccac cctccatcc 300
taagggtgctc cgctgactta gaacaggaca gtcagggaga gaatgtgtct caggaggggtg 360
gagtcagatg atcacggcct tcctggcatc tgaggggata cagcttcggg tagcaaagtg 420
tgattttccc tgagccccag gaaagcttg ccttggtcag aatacattga accctgaggg 480
ccagagagtc cctggggcaa gctctgagag ggaggacctc 520

```

<210> 928

<211> 492

<212> DNA

<213> Homo sapiens

<400> 928

```

ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60
agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatatac ttaacaaagc 120
aatagctctc aagcagcaga gcatctcgag gaagaaagct tgcccggctc ccatcccatc 180
atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240
agcttaactt aacaatttct gatgtctatc ttttagagtt ctgtatgttc ccatttttta 300
ttcttctgaa ttttgaattg caagtagctg taaaatccaa tctctgagtg catgggggtg 360
gggtgtgaggc ggggctcagc ttcaaccccc tgtcctgtaa agcagtggct ggtttttcct 420
gagcccagcc ctgggaggtc gtggtaggtg tggaggctgc agagctcctc cagatgctgc 480
cctcgctgtg cc 492

```

<210> 929

<211> 209

<212> DNA

<213> Homo sapiens

<400> 929

```

ttttttcacc atctaacaaa ggcactttat tgcattacca ttcacaatta acagtcaaga 60
acaaataata ataacaaata aaataacttt taagaggaca aggcattaga aataaaaaag 120
gacactaata acatttgtaa aagcttgtac tggatgtggt tgccccatt tgtgtgtgtg 180
gttgtgtgtg tgtgggtgtg tgttggtg 209

```

<210> 930

<211> 617

<212> DNA

<213> Homo sapiens

<400> 930

```

cgcgtccttt aacaagcccc gttctcaaaa ggctgggggt atttatataa gaacttattc 60
caaagtgact ctaagatcca tgttcccaag atctagtacg ggctattcat ggttctgagg 120
catgtccagc atgcaggcaa acttatctgt tcaaattgag gtaaaacaga caaaaaacac 180
ttaatatata cagaagctac ataattaaaa ctaaccttct gctgcttatt taagctaag 240
atgtattctt accaaacaga gaccctcaag tcaatcattt cttttgattt tagttaccac 300
ccccaaatta agcctcttct ttcaaagcca ttattagtta aaaaaaagtt ttaaaatgaa 360
gaaaaatatt ttttccagaa cttgtatttt gtaattagtg tgatgcaatt tctttttatt 420
tttcaaactt agaaataact catgtatggt actatttggt atttttttca gataccaagg 480
aataccgaca ggattcataa ataggatttt ctgacactgg caggaaagtc tgctaacgtt 540
tacaaaatac caaagactct tctttcaagc ttcaaagatg gctgagaatt aacagttatg 600
attagttttt cagtaca 617

```

<210> 931

<211> 521

<212> DNA
<213> Homo sapiens

<400> 931
ccaacaaaat tggatgaacac atggaagaac atggcatcaa gtttataaga cagttcgtac 60
caattaaaagt tgaacaaaatt gaagcaggga caccaggccg actcagagta gtagctcagt 120
ccaccaatag tgaggaaatc attgaaggag aatataatac ggtgatgctg gcaataggaa 180
gagatgcttg cacaagaaaa attggcttag aaaccgtagg ggtgaagata aatgaaaaga 240
ctggaaaaat acctgtcaca gatgaagaac agaccaatgt gccttacatc tatgccattg 300
gcgatataatt ggaggataag gtggagctca ccccgattgc aatccaggca ggaagattgc 360
tggctcagag gctctatgca ggttccactg tcaagtgtga ctatgaaaat gttccaacca 420
ctgtattttac tcttttgga tatggtgctt gtggcctttc tgaggagaaa gctgtggaga 480
agtttgggga agaaaatatt gaggtttacc atagtactt t 521

<210> 932
<211> 197
<212> DNA
<213> Homo sapiens

<400> 932
ccttgtagacc aattacatat gattaaaatt acttcccaca ttcacatcca cagtactcgt 60
ccaccattta acatctcaac caaaacgtta cacatgtgaa acaatcacta acaggcaaaa 120
atactaaacc tgtatatttg gtattgcaaa tacacttatg catgagcaag caagggattc 180
acagtgaagaa tctacag 197

<210> 933
<211> 610
<212> DNA
<213> Homo sapiens

<400> 933
cctcattttta acaatatctt ttttttgctc ttctgcttcc aaaccttatt tgccaatgta 60
atgccttttat ataaaagttct tatgatgaat gaaaaacttt caagtgctgt tgcctcatta 120
aatgcattat ttattaattt aacttctagt actctcgata aagagccagt gaaatgagtt 180
attgagttcc agggaaaaaa atgagaacat aattttgaat ttattatctc tctatacaca 240
cacagttcat aattggatta catataataa taatatcaac aagtctatca gtatcgaagt 300
tggatactgg taattttctca tgtgaggctc ttgtgtcaca gtcagcatag atttctggag 360
catttgtctg ttgatctttt ggtggcctca aacctcatta agtgggtgtg gagatgctgt 420
ttctgccatg tgagaatgtg atggcagaat taacacaacc ccaccagggg tacaacagag 480
cactttacat ccaaaggcag agagggacac agcaatgcag aattccagca cacttaagag 540
gagcaccatg ccatccagac ccattaagat ggacatagtc ccatgacaat tatttgagtt 600
gccatagtag 610

<210> 934
<211> 384
<212> DNA
<213> Homo sapiens

<400> 934
ctgctaccag gggagcgaga gctgactatc ccagcctcgg ctaatgtatt ctacgccatg 60
gatggagctt cacacgattt cctcctgcgg cagcggcgaa ggtcctctac tgctacacct 120
ggcgtaacca gtggcccgtc tgccctcagg actcctctga gtgagggagg agggggctcc 180
tttcccagga tcaaggccac agggaggaag attgcacggg cactgttctg aggaggaagc 240
cccgttggct tacagaagtc atggtgttca taccagatgt gggtagccat cctgaatggg 300

ggcaattata tcacattgag acagaaattc agaaagggag ccagccaccc tggggcagtg 360
aagtgccact gggtttaccag gcag 384

<210> 935
<211> 125
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 23, 24
<223> n = A,T,C or G

<400> 935
nttaaaattc atggaagtaa tannacagta ataaaatatg gatactatga aaactgacac 60
acagaaaaac ataaccataa aatattgttc caggatacag atattaatta agagtgactt 120
cgta 125

<210> 936
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 519
<223> n = A,T,C or G

<400> 936
gcccattgcca gcgtgtggtc agcacgcaca acttgtggct gctgtccttc ctgaggaggt 60
ggaatgggag cacagccatc acagacgata ccctgggtgg cactctcacc attacgctgc 120
ggaatctaca accccatgat gcgggtctct accagtgcc gagcctccat ggcaagtggg 180
ctgacaccct caggaaggtc ctggtggagg tgctggcagg ttctcccgcc aagggttctcc 240
ccctgcctcg aggaggaagg ggctggaggc tcatggctct gcctcccata gacccctgg 300
atcaccggga tgctgggat ctctggttcc ccggggagtc tgagagcttc gaggatgccc 360
atgtggagca cagcatctcc aggagcctct tggaaggaga aatccccttc ccaccactt 420
ccatccttct cctcctggcc tgcattcttc tcatcaagat tctagcagcc agcgccctct 480
gggctgcagc ctggcatgga cagaagccag ggacacatnc acccagtga ctggactgtg 540
gacctc 546

<210> 937
<211> 550
<212> DNA
<213> Homo sapiens

<400> 937
caccaatcaa aattcctggt ggtcctgaga ctttgggcag aatcatgaat gtcattggag 60
aacctattga tgaaagagg cccatcaaaa ccaaacaatt tgctcccat catgctgagg 120
ctccagaggt catggaatg agtggtgagc aggaattct ggtgactggt atcaagggtg 180
tcgatctgct agctccctat gccaaagggt gcaaaattgg gctttttggt ggtgctggag 240
ttggcaagac tgtactgac atggagttaa tcaacaatgt cgccaaagcc catggtggtt 300
actctgtggt tgctggtggt ggtgagagga cccgtgaagg caatgattta taccatgaaa 360
tgattgaatc tgggtgttatc aacttaaaag atgccacct taaggtagcg ctggtatatg 420
gtcaaataa tgaaccacct ggtgctcgtg cccgggtagc tctgactggg ctgactgtg 480

ctgaatactt cagagaccaa gaaggtcaag atgtactgct atttattgat aacatctttc 540
gcttcaccca 550

<210> 938
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 28, 63, 148, 153
<223> n = A,T,C or G

<400> 938
tttttttttt tttttttttt tttttttngg aaaaagccca aaaggcactt tattggaggt 60
ctntgcctcc attcacagga aaaaggagct gggagcccca tcctaagggt cccagcatca 120
gccactgga gggcctggaa cagtccanca ctntgtggga aaggagtggg gaggggaatg 180
ttttaaaaaa aa 192

<210> 939
<211> 337
<212> DNA
<213> Homo sapiens

<400> 939
ccaaaatatt ggaacacaca gaaccaaacc aggtgtgttc tacacctgca tgagtgaagg 60
atttccacgt agacacctag gaagagcccg catgccctag actcaactca gaggaaggat 120
tgatttgcaa ccagaaaggg agctgaaaac cacggagctc catggctctt cattcaaaaag 180
ggaaaataat gattccacgt tgcttttttag agttcaaadc aacatctttc tggataaatc 240
tattttttta caatcttttt attatttgta aaagatatataa aaacaactcc catcagtagc 300
aatacaaggt tatacathtt aaccagattt tctcagg 337

<210> 940
<211> 362
<212> DNA
<213> Homo sapiens

<400> 940
cctgtccaaa cgtgcgcacc aggaccgagg ggagctccct cccaacacct gctaggaatt 60
gccaaactttt aaatggatgg ggttttttat ggggtgaacc tctgttaata cttttgtaca 120
ctctcactac agtttatatt tttataggct attttctcaa ggtgtttcta gattccacat 180
atctatttta tataacaagt tattatgtta tgtgtgtgac tcccttgtgt gtatctgtgc 240
cagcctcagc ctccgagttg cttttccctc tggccctgac tctcactgac tcaccgatgt 300
ggtgtgcagg cccacttctt accccagata gcctcgggag ctgcctgtag tcatgccgac 360
ag 362

<210> 941
<211> 216
<212> DNA
<213> Homo sapiens

<400> 941
ctggacatct ttccagcccg ggatacctac catcctatga gcgagtaccc cacctaccac 60
acccatgggc gctatgtgcc ccctagcagt accgatcgta gccctatga gaaggtttct 120

gcaggtaatg gtggcagcag cctctcttac acaaaccag cagtggcagc cacttctgcc 180
aacttgtagg ggcattgtgc cgcgtgagct gagtgg 216

<210> 942
<211> 324
<212> DNA
<213> Homo sapiens

<400> 942
ctgattggct tcaggccccc tacctctata aactctacca gcattactac ttcttgaag 60
gtcaaattgc catcctatat gtctgtggcc ttgcctctac agtcctcttt ggccctagtgg 120
cctcctccct tgtggattgg ctgggtcgca agaattcttg tgcctcttc tccctgactt 180
actcactatg ctacttaacc aaactctctc aagactactt tgtgctgcta gtggggcgag 240
cacttggtgg gctgtccaca gccctgctct tctcagcctt cgaggccagg gagcctcaaa 300
tcttcagtct ctccagagacc acag 324

<210> 943
<211> 597
<212> DNA
<213> Homo sapiens

<400> 943
ctgacaaaat tcctgggtta ctagggtgtct ttcagaagct gattgcatcc aaagcaaagt 60
accaccaagg tttttatctt ctaaaccagta taatagagca catgcctcct gaatcagttg 120
accaatatag gaaacaaatc ttcatctctg cattccagag acttcagaat tccaaaacaa 180
ccaagtttat caagagtttt ttagtcttta ttaatttgta ttgcataaaa tatggggcac 240
tagcactaca agaaatattt gatggtatac aacaaaaaat gtttggaatg gttttggaaa 300
aaattattat tcctgaaatt cagaaggtat ctggaaatgt agagaaaaag atctgtgcgg 360
ttggcataac caaattacta acagaatgtc cccaatgat ggacactgag tataccaaac 420
tgtggactcc attattacag tctttgattg gtctttttga gttacccgaa gatgatacca 480
ttcctgatga ggaacatttt attgacatag aagatacacc aggatatcag actgccttct 540
cacagttggc atttgctggg aaaaaaagag catgatcctg taggtcaaat ggtgaat 597

<210> 944
<211> 359
<212> DNA
<213> Homo sapiens

<400> 944
ctggaagagg aaaaggagat actgcagaaa gaactctctc aacttcaagc tgcacaggag 60
aagcagaaaa caggtactgt tatggatacc aaggctcgatg aattaacaac tgagatcaaa 120
gaactgaaag aaactcttga agaaaaaacc aaggaggcag atgaatactt ggataagtac 180
tgttccttgc ttataagcca tgaaaagtta gagaaagcta aagagatgtt agagacacaa 240
gtggcccatc tgtgttcaca gcaatctaaa caagattccc gaggtctctc tttgctaggt 300
ccagttgttc caggaccatc tccaatccct tctgttactg aaaagagggt atcatctgg 359

<210> 945
<211> 367
<212> DNA
<213> Homo sapiens

<400> 945
caggatctga agtttggggg cgagcaggat gttgatatgg tgtttgcgtc attcatccgc 60
aaggcatctg atgtccatga agtttaggaag gtcctgggag agaagggaaa gaacatcaag 120

```

attatcagca aaatcgggaa tcatgagggg gttcggaggt ttgatgaaat cctggaggcc 180
agtgatggga tcatgggtggc tcgtgggtgat ctaggcattg agattcctgc agagaagggtc 240
ttccttgctc agaagatgat gattggacgg tgcaaccgag ctgggaagcc tgtcatctgt 300
gctactcaga tgctggagag catgatcaag aagccccgcc ccactcgggc tgaaggcagt 360
gatgtgg                                     367

```

<210> 946

<211> 335

<212> DNA

<213> Homo sapiens

<400> 946

```

ccacagaggt ggtattacaa aatatacaaa gtggtttctt tctttacatt tcatagaaga 60
agcctgcctc atttccaaat gagagcacta gaagcacaaa tcatgcagac catttactat 120
ataacttatg aaaaatgctg tacagggctg tgactataga tatagagtat ttggctctgt 180
ttgggaattg atatctacaa gggggagggg caggggagga ctgtccgata tcctgacttg 240
ctgggatggg ggagaagctg ggatggggga ggccccaatc ttgctgcacg gctacaccca 300
ctctccttt cctagacaag gctggagcgc actgg                                     335

```

<210> 947

<211> 384

<212> DNA

<213> Homo sapiens

<400> 947

```

cctcttggag cacatccttt actgcattgt ggacagcgag tgtaagtcaa gggatgtgct 60
ccagagttac tttgacctcc tgggggagct gatgaagttc aacgttgatg cattcaagag 120
attcaataaa tatatcaaca ccgatgcaaa gttccaggta ttcctgaagc agatcaacag 180
ctccctgggtg gactccaaca tgctggtgcg ctgtgtcact ctgtccctgg accgatttga 240
aaaccagggtg gatatgaaag ttgccgaggt actgtctgaa tgccgcctgc tcgcctacat 300
atcccagggtg cccacgcaga tgccttcct cttccgcctc atcaacatca tccacgtgca 360
gacgctgacc caggagaacg tcag                                     384

```

<210> 948

<211> 173

<212> DNA

<213> Homo sapiens

<400> 948

```

ctgtggaggg gacactgtct ttgaggcatc actggttcca caaagggtag gggaaggctc 60
tgagggacca ccccatgccc tcattaatca accagaagct tggcctggag cagcagcggg 120
gattccagta gctgtgggca tacaggatgc tagggcggcc acaaccagg cag                                     173

```

<210> 949

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13, 14

<223> n = A,T,C or G

<400> 949

```

ccatccacgt tgnnaaacag aataaaatgg aaattcacct tgtcatctac cgcacattgg 60
ccttcctgtg ccacggcatc atgggctgcc tgtatggcct cattcttttc aaagcatttt 120
gctctgtcct caggggacat tttctctgtt tcagaaagaa actgtttcag aactgatcca 180
tcctcaaata ccagtttgct ttgattattg g 211

```

```

<210> 950
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 950
cctcatcgtg agtcaggacg tggtgaaaagc tgcagtggct gctgtgctct ctccagaaga 60
attcatgggc ctgttggact ctgtgcttcc tgagagtgcc catcggctga agtcaagcat 120
cgggctgata aatgaaaagg ctgcagataa gctgggatct acccagatcg tgaagatcct 180
aactcaggac actcccaggt tttttataga ccaaggccat gccaaagggtg cccaactgat 240
cgtgctggaa gtgtttccct ccagtgaagc cctccgccct ttgttcaccc tgggcatcga 300
agccagctcg gaagctcagt ttacaccaa aggtgaccaa cttataactca acttgaataa 360
catcagctct gatcggatcc ag 382

```

```

<210> 951
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 421, 456
<223> n = A,T,C or G

```

```

<400> 951
cctctctgcc aggcaaagga gggagctgcg gctctttgac attaaaccag agcagcagag 60
atacagcctt ttctccctc tccatgaact ctggaaaacag tacatcaggg acctgtgcag 120
tgggctcaag ccagacacgc agccacagat gattcaggcc aagctcttaa aggcatatct 180
tcacggggct attatttcag tgacaaaatc caaatgcccc tcttatgtgg gtattacagg 240
aatccttcta caggaaacaa agcacatttt caaaattatc accaaagaag accgcctgaa 300
agttatcccc aagctaaact gcgtgttcac tgtggaaacc gatggcttta tttcctacat 360
ttacgggagc aaattccagc ttcggtcaag tgaacggtct gcgaagaagt tcaaagcgaa 420
nggaacgatt gacctgtgaa ttctttgccg tctaangcag ttgtttatga cag 473

```

```

<210> 952
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<400> 952
ctgatgggtc tcatagtcct ctgggatggg gtcattgcag cggtaacgca ggttggccca 60
gatgatgttc tcctgggaga agcagaagac ccccaagcgg ccaccccgca tggttgtgtc 120
caagaccacg ttgctgtcgg ccaccagctc agggccctca tagaatcgca ccctgatgta 180
gccacattgg ggccggtgct gcaggaacca acgataggac ttcttgcctc tccaaccac 240
gtttcgcggg tccttcaca gcagccgcac ctgagactct gtgtctcctg tatgccacag 300
agcgttcgca ag 312

```

```

<210> 953
<211> 397

```

<212> DNA
<213> Homo sapiens

<400> 953
cgcggtccact gccgaccctc ttggtttctg aaaccaacct ttcttcctgc tctcctcttt 60
aagagcaaac cccaacatgt ataaggtcac agcaagtggg agccaggaaa agctgtggga 120
cccctcattt gagtacatc catatggcat ggagaaagaa aacctctctg ccagaaggaa 180
ctgaactctg gaagtcctaa ggaaggtcac catgatcagc agataggaaa gcattgccaa 240
gggctgtccc tcaagagctt agttttctta gggagaccag aaagacatca gatcctgact 300
gccctgtttt gctcaagttc tgaaatgagt ggcatgatga agagctgggt gagctgaggg 360
aaagagtcaa ccatgtgggg tggggtagt aggaagg 397

<210> 954
<211> 304
<212> DNA
<213> Homo sapiens

<400> 954
cctttgtacc gggccagcaa ctggaagggc acagtgtgga attccagggc ctgcagagtc 60
ttcttctgga acagggcctc gtggctccag tacagggaca ggttgaactg cagctcaaag 120
agctcctcag ggagcatcat ggggaagcgg atcttctcca ccaagccctc cacctcctca 180
tgggaggcac gctcccccca gctccaggtg tccacggcct tcagtagggc cagctcgctg 240
ggcaccgcca ggtcgctcct gggcagcagc agttggagca ggtctgtggg gacactgggc 300
cagg 304

<210> 955
<211> 156
<212> DNA
<213> Homo sapiens

<400> 955
ctgtttcaac tccctgccaa gaaaaatgta gatgcaattc tggaggagta tgcaaattgc 60
aagaaatcgc agggaaatgt tgataataag gaatatgcgg tcaatgaagt tgtggcagga 120
ataaaaagaat atttcaatgt gatgttgggc actcag 156

<210> 956
<211> 543
<212> DNA
<213> Homo sapiens

<400> 956
ctttcatctg accatccata tccaatgttc tcatttaaac attaccagc atcattgttt 60
ataaccagaa actctgggtc ttctgtctgg tggcacttag agtcttttgt gccataatgc 120
agcagtatgg agggaggatt ttatggagaa atggggatag tcttcatgac cacaaataaa 180
taaaggaaaa ctaagctgca ttgtgggttc tgaaaagggt attatacttc ttaacaattc 240
tttttttcag ggacttttct agctgtatga ctgttacttg accttctttg aaaagcattc 300
ccaaaatgct ctattttaga tagattaaca ttaaccaaca taattttttt tagatcgagt 360
cagcataaat ttctaagtca gcctctagtc gtggttcac tctttcacct gcattttatt 420
tgggtgtttgt ctgaagaaag gaaagaggaa agcaaatacg aattgtacta tttgtaccaa 480
atctttggga ttcattggca aataatttca gtgtggtgta ttattaaata gaaaaaaaaa 540
att 543

<210> 957
<211> 528

<212> DNA
<213> Homo sapiens

<400> 957
ctgtgatcaa gatgtattaa aagaatatga aagagcatct gggttattct agaagttctg 60
tgatcaaaac atattaaaaa aaattaaagc gcatctgggt tattctagaa gttcctgggc 120
tttatacttg gatatttaca gaggaagttg aacttcaagt tctgccactc ttcaaaatgg 180
gtgacaggag aggacgtgat aggacagtta aaaaaaaatt gatagtcatt ctctgatgga 240
gtgaagcaag ctttgtcaac catcaacaaa tatgacttca ttggtcacaa gccctgcaga 300
gatccaacaa gatttgagtt ttaaatacag aacatatttc aaacagaacc agcagagtgc 360
tgatgtatga atggaattga ttgctgaagg cagagagtat aaagaatctc aagaaacttt 420
tagtgccatt ttcatttaaat aagccattgg tatagcaacc taaaaacctt ggctgtgatg 480
acaccaggat gtgtttatg aattgctgca ggagaacaca attggcag 528

<210> 958
<211> 451
<212> DNA
<213> Homo sapiens

<400> 958
ctgtctgacc atggggacct tctgtctgaa gaggagctgg atgaatgaga ctctgggaat 60
catctacaca ggaccaaacc caacaggcgc cctggcaccg gggaggcggg tagttgtact 120
ctgcttgtag agtccttgag ccagttttac agatctggag agcaggaggc caggacaagg 180
acaaaggctg gaggatggag taggaccag gggctctgcc atcctaggca tcattcaagg 240
tcttttatga agactttaca gatgtcctct gtaagtagca tcgagagtgg agttcagctc 300
ctttctctac ttttttttgg tctgatggca catattttatt gttctgtggg ctaatcacag 360
tgtttctaaa tgtaaaaagt gcatatgttg gtgtagctag tcccgcgaca ttgagctcct 420
ctgcatgaag aactgaggct cctgcatcca g 451

<210> 959
<211> 158
<212> DNA
<213> Homo sapiens

<400> 959
ccagaccaag gctgctggac ctatgggaat attcgggtgt ctgtagagga tgtgactgtc 60
ctgggtgact acacagtacg gaagttctgc atccagcagg tgggcgacat gaccaacaga 120
aagccacagc gcctcatcac tcagttccac tttaccag 158

<210> 960
<211> 235
<212> DNA
<213> Homo sapiens

<400> 960
ctgagcaggg aatccggccg gaggaaggag cagcttaccg actgcgggtg ttcaccacag 60
gccaggccct aatatgcacc cactagttta gctcagactc ctctctacat atgaatggca 120
aaggcacttt tgatatacac tgtaaaatac actgtatttt agaatcgga tctattttct 180
aatgttcccc tcaagggtcg agtggcagga aggttgagga tgcaggactt tgcag 235

<210> 961
<211> 375
<212> DNA
<213> Homo sapiens

```

<400> 961
cctggaaaaga aaagggatat gtccagcgac ttggagagag accatcgccc tcatgttagc 60
atgccccaga atgccaacta aactcctccc ttctcttctt aatttccctt cttgcatcct 120
tcctataact tgatgcatgt ggtttgggtt ctctctgggt gctctttggg ctggtatttg 180
tggtcttctt tgtggcagag gatgtctcaa acttcagatg ggaggaaaga gagcaggact 240
cacaggtttg aagagaatca cctgggaaaa taccagaaaa tgagggccgc tttgagtccc 300
ccagagatgt catcagagct cctctgtcct gcttctgaat gtgctgatca tttgaggaat 360
aaaattattt ttccc 375

```

```

<210> 962
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 14, 26, 73, 74, 81, 103
<223> n = A,T,C or G

```

```

<400> 962
ctggggaggc ccnccgggcc tctcangtgg acagggtccag gcattgggtg aagctggatg 60
aagctggggc ctnggtctct nctcatcaaa tacagatcac tnggacctg tcctcctcca 120
tggtgctggt ctctcgggcc cactgcccc tgcttctgct ttcttctctc acctcctcct 180
ccccagctc catgtccagc tcgttgcttg cctctgaggg tgtgtaggtg gagccactga 240
tggaacggca gctaaagaag acgattcgct tgagccgctt gttgtagaag aagtagttga 300
aggaccagag gctaccatcc tccccgaagg gatctgagtc caagtctggg ttatagctgt 360
agatgtcaca ttcagccagg cagatctcct cgtccaccgc gttccacag 409

```

```

<210> 963
<211> 163
<212> DNA
<213> Homo sapiens

```

```

<400> 963
gccatggcgt cctatttcga tgaacacgac tgcgagccgt cggaccctga gcaggagacg 60
cgaaccaaca tgctgctgga gtcgcaagg tcacttttca ataggatgga ctttgaagac 120
ttgggggttg tagtagattg ggaccaccac ctgcctccac cag 163

```

```

<210> 964
<211> 344
<212> DNA
<213> Homo sapiens

```

```

<400> 964
ccactggctg agttattggc ctggcaggta tagagtccgc tgttcttctc agtgatgttg 60
gagataaaga gctcttgtgt gtgttgctgg atgttcccat caatcagcca agaatactgt 120
gcagggtggg tagaggctgc atggcaggag aggtgaggt tcaccttg acggtaatag 180
gtgtatgagg gggaaatggg ggggtcgtct gggccataga ggacattcag gatgactggg 240
tcgctgtggg caaacacttaa ttcgttctgg attccacact catagggtcc tacatcattc 300
cttgtgacac tgagtagagt gagggctctg ttgtcattgg acag 344

```

```

<210> 965
<211> 461

```


<212> DNA
<213> Homo sapiens

<400> 965
ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60
agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatata ttaacaaagc 120
aatagctctc aagcagcaga gcatctcgag gaaggaagct tgcccggctg ccatcccatc 180
atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240
agcttaactt aacaatttct gatgtctatc ttttagagtt ctgtatgttc ccatttttta 300
ttcttctgaa ttttgaattg caagtagctg taaaatccaa tctttgagtg catgggggtg 360
ggtgtgaggc ggggctcagc ttcaaccccc tgctctgtaa agcagtggtt gggttttctt 420
gagcccagcc ctgggaggtc gtggtaggtg tggaggctgc a 461

<210> 966
<211> 246
<212> DNA
<213> Homo sapiens

<400> 966
cctttcacag acactacat tgagtgggtt gatgcagggt gcagccttca gtccccgagt 60
actgggttct gataaaattc cacagaatcc agcatcactg ggctcagacg gcatccactg 120
tagtaacta tttgtaaatg gggacatata tttccagcac cagtaggaca cattgatctt 180
ccgaaggccg acccatgggg ttaaggtgag cttggacatg ctctgagatg actgcattat 240
tcgcag 246

<210> 967
<211> 244
<212> DNA
<213> Homo sapiens

<400> 967
ctggagcatt ggcagggaca gtcagaaagg agacaagtga aaacggctcag atggacacag 60
gcgaggagaga aaagacagag ggagagagac catcggaac aatcagaggg gccgagacga 120
tcagaaaagg gtcagcccga gacaggtga gccagagttt ctagaagcag tttccaattc 180
aacggctcgc tttgagggcc aacgtgtcct aggccgaggc tgcagaagcg ctcacacact 240
cacg 244

<210> 968
<211> 436
<212> DNA
<213> Homo sapiens

<400> 968
ccaaagtctt taccctatct aacccttctg atatttctga ctgctcactg ttcattattat 60
aggggaccag atttgtaata tagaattctc cataacatga atgaaattaa tgctgtccaa 120
gccagcatgg tggcttcata ttaagtagta acagaagtct gaacaattgg ataaatttga 180
cttccaagac agctaaactt ttcaactgca attttaaaaa ctacactaca ctgttatagt 240
taatctgaca aaaatgtcct caaagagtac tttattttat ttaaagcatc tgtttaattc 300
aacctttaat aattttgcaa agaagggtac gtgtgtatct taatatagcc tgacctgaat 360
ttatgtgtt tttagctttag tattttaactt tttgtaacaa ataaaccttt tttaaaacaa 420
gtttaaaaaa gaaaaa 436

<210> 969
<211> 383

<212> DNA
<213> Homo sapiens

<400> 969
ctggctccct tgtctccagg gctttggagg atcagggtag ggagggctct gtctctaagc 60
cagggtgtcag gatcagaatc atgggtagaa ggtgccattc agctcacagc cgcacccaga 120
atcctttgca gccctccttc tttatttttt tccattgca ttctgggagt ccacatctgg 180
ctttctcagc cactgttcat caccaggggt tttaggagga aggcttggct cctgtcttcc 240
cagacccacc atgcctggag aggtcaggat ggaactacct cattcggcga attagcccca 300
aattgaacgc tgaatcgtgt cccatgagat caggcgccat ctgtaaagtc tcctctggaa 360
atgccaatcc atccttcccc cag 383

<210> 970
<211> 543
<212> DNA
<213> Homo sapiens

<400> 970
ctgtagcttt tgtgggactt ccactgctca ggcgtcaggc tcaggtagct gctggccgcg 60
tacttggtgt tgctttgttt ggaggggtgt gtggtctcca ctccgcctt gacggggctg 120
ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
agtgtggcct tgttggcttg aagctcctca gaggaggcgc ggaacagagt gaccgagggg 240
gcagccttgg gctgacctag gacggtcagc ctggctccctc cgccgaacac cgaagtgcta 300
ctgtttgtat atgagctgca gtaataatca gctcgtcct cagcctggag ccagagatg 360
gtcagggagg ccgtgttgcc agacttggag ccagagaagc gattagaaac ccctgagggc 420
cgatcagtga catcataaat catgagtttg ggggctttgc ctgggtgctg ttggtaccag 480
gagacatagt tataaaaacc aacgtcactg ctggttccag tgcaggagat ggtgatcgac 540
tgt 543

<210> 971
<211> 416
<212> DNA
<213> Homo sapiens

<400> 971
ccagactgac ttcaaaaaat taatgtgtat ccagggacat tttaaaaacc tgtacacagt 60
gtttattgtg gttaggaagc aatttcccaa tgtacctata agaaatgtgc atcaagccag 120
cctgaccaac atggtgaaac cccatctgta ctaaacataa aaaaattagc ctggcatggg 180
ggtgtacgcc tgtaatccca gtgacttggg aggttgaggc aggagaatcg cttgaacccg 240
ggaggcggag gttgcagtga gctaagatcg caccactgta ctccagcctg ggcaacagcg 300
agactccatc tcaaaaaaaa aggaaatgtg tatcaagaac atgattatcc aggggtattt 360
tctaattcag atcatcaaac tgattatata gaagagttgg ctttaaaatg tttgca 416

<210> 972
<211> 242
<212> DNA
<213> Homo sapiens

<400> 972
ccaaaaatcc caaaacatca ttttcaatca gtagagaagt gcttaggggtt gaaaattgat 60
ttcatttgct actgaatttg gtaaatcctg ggtaactttt atcaagatga agacatttta 120
ccctacctac tctagaaata tacaacaatg ttatatatta cactccttgg aaacatttga 180
ggaaaaaaat gcaatttgca cttcactttg ttggaatatc ccatagcact caataaaact 240
ag 242

<210> 973
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 973
 cctgcagggg atggaacctt ccagaagtgg gcggctgtgg tgggtgccttc tggagaggag 60
 cagagataca cctgccatgt gcagcatgag ggtctgcccc agccccctcac cctgagatgg 120
 gagctgtctt cccagcccac catccccatc gtgggcatca ttgctggcct ggttctcctt 180
 ggagctgtga tcaactggagc tgtggctcgt gccgtgatgt ggaggaggaa gagctcagga 240
 cattttcttc ccacagatag aaaaggaggg agttacactc aggctgcaag cagtgcacgt 300
 gccaggggct ctgatgtgtc tctcacagct tgtaaagtgt gagacag 347

<210> 974
 <211> 571
 <212> DNA
 <213> Homo sapiens

<400> 974
 gaaagagcga gatgcgagaa cacttttggc taaaaatctc ccttaciaag tcaactcagga 60
 tgaattgaaa gaagtgtttg aagatgctgc ggagatcaga ttagtcagca aggatgggaa 120
 aagtaaaggg attgcttata ttgaatttaa gacagaagct gatgcagaga aaacctttga 180
 agaaaagcag ggaacagaga tcgatgggag atctatttcc ctgtactata ctggagagaa 240
 aggtcaaaat caagactata gaggtggaaa gaatagcact tggagtgggtg aatcaaaaac 300
 tctggtttta agcaacctct cctacagtgc aacagaagaa actcttcagg aagtatttga 360
 gaaagcaact tttatcaaaag taccacagaa ccaaaatggc aaatctaaag ggtatgcatt 420
 tatagagttt gcttcattcg aagacgctaa agaagcttta aattcctgta ataaaaggga 480
 aattgagggc agagcaatca ggctggagtt gcaaggaccc aggggatcac ctaatgccag 540
 aagccagcca tccaaaactc tgtttgtcaa a 571

<210> 975
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15
 <223> n = A,T,C or G

<400> 975
 ctggaggtgc ctcanaaggt gcattctgct tcctgcaggg gcttgaaaca ccaaggcact 60
 ccagggatcc tggagtcaaa gcagcagccc cggttggtgc actccttggg ggtgacatgg 120
 gggtagccgc agtccacctt gtccttggtt ggcacggcac actggtttgc agacaggccc 180
 acgtactcct cagcagagct ggaggacagc aaggccagga c 221

<210> 976
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 976
 ccatcagatt gtcacagact tttataaccc tttgatccct accaacgtta agtatgagtt 60

tggccctgcc atcttcattg gctgggcagg gtctgcccta gtcacccctgg gaggtgcaact 120
 gctctcctgt tccgtgcctg ggaatgagag caaggctggg taccgtgcac cccgctctta 180
 ccctaagtc aactcttcca aggagtatgt gtgacctggg atctccttgc cccagcctga 240
 caggctatgg gagtgtctag atgcctgaaa gggcctgggg ctgagctcag cctgtgggca 300
 gggtgccgga caaagg 316

<210> 977

<211> 335

<212> DNA

<213> Homo sapiens

<400> 977

cctgtttgtc tgtacagcaa tgcagatgcg caggcccatc ctggtggagg acccagatgc 60
 agggagcaaa tattcgggtt gtgttgctaa gattcgagag aactactgct agtgatacta 120
 ggcttgctgc aggaggatgt cacgctgaga aaggagagat actaggagca gaaaaagtac 180
 tctcactggt ccagcttcca gcccaatcct agcagaatga atgcatttta aaatcagtc 240
 acattcacat gtgctgagaa ggttgtagt ggtccctcat ctgggcaaag cagacccaag 300
 atggtgctaa gtgcagagtg cagagcattc ttgtg 335

<210> 978

<211> 280

<212> DNA

<213> Homo sapiens

<400> 978

cctaacaccc aagctcttcc ttgcagaaga gctgagatgc taaggagacc atctggagtg 60
 tcataataag cccttgggat ttgctgagct cccacatggc tttcttcaac cacctggccc 120
 actttcttca accacattcc actttggaat gcgtgtcttt aaggcaccaa gtgatcttaa 180
 gaatgggctc tgtttttgaa ttcagcaatc caagttccta tctatctcgg tgggacctcc 240
 aaaaaaaga aaaaggattg gcttggttc taatgtaagg 280

<210> 979

<211> 318

<212> DNA

<213> Homo sapiens

<400> 979

ctgtccagat gacagtaaga ttccactgtc tgtaatctc atggtgccag gtctcctggg 60
 gcatctaggg caatgatgct actgcagttt atgcagttac acagtcaagt ctgtgccaaa 120
 ggagggtccca tccggcggcc aggtttctgt tcagtctggg gagcaatgcc aactggctgc 180
 ccccatagcc tggcatgagc tgatggccca gtgcaatccc aaagcaaaga agggcagaac 240
 tgggccaaga agctgtggta atttgcctc cctgcctccg acagcgtcgt cctctccttt 300
 tgcagcccca cagcagg 318

<210> 980

<211> 568

<212> DNA

<213> Homo sapiens

<400> 980

ccagcactgg ctcttgatg gttttcctag gacattagga caagccgaag ccctggacaa 60
 aatctgtgaa gtggatctag tgatcagttt gaatttcca ttgaaacac ttaaagatcg 120
 tctcagccgc cggttgattc accctcctag cggaagggtg tataacctgg acttcaatcc 180
 acctcatgta catggtattg atgacgtcac tggatgaacc ttagtccagg agggagatga 240

```

taaaccggaa gcagttgctg ccaggctaag acagtacaaa gacgtggcaa agccagtcac 300
tgaattatac aagagccgag gagtgtctca ccaattttcc ggaacggaga cgaacaaaat 360
ctggccctac gtttacacac ttttctcaaa caagatcaca cctattcagt ccaaagaagc 420
atattgaccc tgcccaatgg gagaaccagg aagatgtggg cattcattca atagtgtgtg 480
tagtattggg gctgtgtcca aattagaagc taactgaggt agcttgacag atctcttcta 540
gttgaaatgg tgaactgata ggaaaaca                    568

```

```

<210> 981
<211> 550
<212> DNA
<213> Homo sapiens

```

```

<400> 981
ccatccccct ttagaacgta tcttaatgtg aacataaatt gttcttcatg atgcttaaaa 60
gcttacatat aattttcatt cttagaaaaa cgccacattt tggatcctgg atttttctga 120
atatcatgat tgaaaaaaac aaaacaaaaa atgaacccaa atcaaagtgt ggtaaactt 180
atatgagaaa gatTTTTTcaa ccagatgggtc attcaaaaaa gttggagctg taagtgccgg 240
cgactgagga cacagggtta attcctcgct gctgggtggaa ggctagagaa catcttcaaa 300
agagggtagc aagacgtgct cctagggggag gctcagtggt gtctcgctctg cccaagcatt 360
ttcagtcctg cttggtcaat gacatcgagt aagtTTTTTg catccacagc cagggcgatga 420
gcagcagtcg gcatttgctt tttgtactct tggctggaggc tggctcatgac atactgctgg 480
gccagtttca tcttgttgat gagctcaccg aggtcagagt tcaatagctt ctgtgccatc 540
tcaatctctc                    550

```

```

<210> 982
<211> 524
<212> DNA
<213> Homo sapiens

```

```

<400> 982
ccaaggtcag aggtgatgac aacaggccct cttctcccca gggccaggct cctgtccagc 60
ctgggcactg cccagagtga tggcattggt ccgcatgctg ttctgtctct gcttggacac 120
cttcgcaaag atttcttca gcagagtctc aaaggctagc tcaacattgg tagagtccag 180
ggctgagggt tccaggaaga gcagtccatt gttttcagcg aacattcggt cctcctcagt 240
gggcacttcc cgggcctggc tgaggtcact tttgttaccg acgagcatga cgacgatcgt 300
ggcttcagca tggctataga gctccttcag ccacgctcct accacagcat aggtctgggtg 360
cttgggttagg tcaaacacca ggagggtccc cactgcacca cgatagtacc cttgaagaca 420
aagttataat cttcctcagt tccattcccc atcttgggtc cgcattggagg gtgcagggtg 480
cttcggggac agaggcgaca aatctgtgtg ttggctcaat gccc                    524

```

```

<210> 983
<211> 140
<212> DNA
<213> Homo sapiens

```

```

<400> 983
ccttcgtgcc ctaacagcca gtcccctggt aaagtggaa agacctgtgg ctgccgctgg 60
acctgcccct gtgtgtgcac aggcagctcc actcggcaca tcgtgacctt tgatgggcag 120
aatttcaagc tgactggcag                    140

```

```

<210> 984
<211> 358
<212> DNA
<213> Homo sapiens

```

<400> 984

```

tggagcggcc gccgggcagg tccaacgagt cacaacagtg caataggtag aggattaaaa 60
actgcatcaa acaggtgctg aaaataaata ctacctagga gaaggaggtg agagccctcg 120
tgtggggttt gttttcgacc ctttgagtgt gtgtggggtt tgtcttccga gccacgagcc 180
tggcctgtct cgcggtgctg ttcactctga cagagtgcgc ctgcagcacg ttgcctccag 240
ggcccagcct cccagaagcc tcagagcatc agagcatccg tcccatcgga tggaccagaa 300
acaagaaaat ggggtggggt gaatcacagc tatcattcaa aggaaaggaa tttttttc 358

```

<210> 985

<211> 450

<212> DNA

<213> Homo sapiens

<400> 985

```

ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgccc cctgcagagt caacagggtc agcctcacag 120
tgcacgccct gagctacagc ctctcccaaa aggcattctc cccacagcct caacgccgag 180
caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
cagttgaaaa ctcaggattt cttagccaata accatagtta ccaccacctt acaaataaaa 300
agaaaatgcc agaaacatct ttaaattgct tgtcacacca acagcaaagt gcacagagtg 360
aggagaacac gagagtgcct tttcatttta aaaatgtttg gaaatatgta caactttgat 420
acagtttcag ggtgctccag acacccatgg 450

```

<210> 986

<211> 340

<212> DNA

<213> Homo sapiens

<400> 986

```

cctcctgcc a gcagttcttg aagcttcttt ttcattcctg ctactctacc tgtatttctc 60
agtgcagca ctgagtggtc aaaatacatt tctgggccac ctcagggaac ccatgcatct 120
gcctggcatt taggcagcag agcccctgac cgtcccccac agggctctgc ctcacgtcct 180
catctcattt ggctgtgtaa agaaatggga aaagggaaaa ggagagagca attgaggcag 240
ttgaccatat ccagttttat ttattttatt ttaatttgtt tttttctcca agtccaccag 300
tctctgaaat tagaacagta ggcggtatga gataatcagg 340

```

<210> 987

<211> 227

<212> DNA

<213> Homo sapiens

<400> 987

```

ccaatgcccg gagcaggccc tctttccatc ccgtgtcgga tgagctggtc aactatgtca 60
acaaacggaa taccacgtgg caggccgggc acaacttcta caacgtggac atgagctact 120
tgaagaggct atgtggtacc ttctgggtg ggcccaagcc accccagaga gttatgttta 180
ccgaggacct gaagctgcct gcaagcttcg atgcacggga acaatgg 227

```

<210> 988

<211> 241

<212> DNA

<213> Homo sapiens

<400> 988

```
<210> 989
<211> 193
<212> DNA
<213> Homo sapiens
```

```
<210> 990
<211> 499
<212> DNA
<213> Homo sapiens
```

```
<210> 991
<211> 262
<212> DNA
<213> Homo sapiens
```

```
<210> 992
<211> 535
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 90, 91, 467, 524  
<223> n = A,T,C or G
```

<400> 992
 ctgctgcttg tgaattcat gtgtggtact aagtaccta catgaattat ttcatttaac 60
 cctcccaaca gtctcctttg tacgtgctgn nctctctgcc tggaaacact gtttcccacc 120
 cccaaccccc aattcttctg tttatttttc ttgagacaga gtctcactgt gtagcccaga 180
 ctggagtgca gtggcgcat ctcggtcac tccaatctcc gcctcccggt tccctgttca 240
 agcagttctc ctgcctcagc ctctgagta gctgggatta caggcacacg ccaccatgtc 300
 cagctaattt ctgtattttt agtagagatg gggtttcacg atgttggcta ggatgggtctc 360
 gatctctggt cagagtcttt tctgtaaata tccttggtta agaagcaatt ttagactgta 420
 gctgttgcaa atgctttaag gaagaagcaa aacaactgtc agtcttctg aaatgaagaa 480
 actacaccag ggctgctata tcagagcaac cccaaccagc actncaatca tgatg 535

<210> 993
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 993
 ctgctgctct cccctcccag tctctactca ctgggatgag gttagggtcat gaggacacca 60
 aaaacctaata aataaacaaa aagccaaaca agccttagct tttcttaaag gctgaaatgc 120
 ctggaagtgt ccttttattt ataaaataac ttttgtcata tttcttatac atgtttcttg 180
 taagaaattc agaaactaca gacaaagaga gtggaaatta cccactgtca gg 232

<210> 994
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 994
 ccagcagatc atccacgacg accaccctct gtccctggctc cagggcgctct ttctgaatct 60
 ccagctcagc cttcccgtac tccagggaat aggaggccca cagagtgggg cctggcagct 120
 tcccccgctt tcggatgagc acgcagccca gtccaagctc ctggggccagg gaggggcca 180
 agaggaagcc tcgggagtct agg 203

<210> 995
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 995
 ccatgcctgc cccgcccact ctgtatatat gtaagttaaa cccgggcagg ggctgtggcc 60
 gtctttgtac tctggtgatt tttaaaaatt gaatctttgt acttgcatg attgtataat 120
 aattttgaga ccaggtctcg ctgtgttgct caggctggct ccaaactcct gagatcaagc 180
 aatccgcccc cctcagcctc ccaaagtgtc gagatcacag gcgtgagcca ccaccagg 238

<210> 996
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 996
 ctgcagcctg ggactgaccg ggaggctctg accatttacc caccacaggt aggttgtgtt 60
 ctgaacctca ggttcacagg tgaaggccac agcatccttg tcctccacgg ggttggagtt 120
 gttgctggag atggagggtc tgggcagctc cgggtataca tggaactgtc cggttgcttc 180


```

ttcattcaca agatctgact ttatgacttg tagggatatag aatcctgtgt cattctgggt 240
gacgttctgg atcagcaggg atgcattggg gtatatgtgc tctcgaccac tgtatgcggg 300
ccctggggta gcttggtgag ttcctattac atatcctaca attagactgt tgccatccac 360
tctttcgctt ttgtaccag                                     379

```

```

<210> 997
<211> 210
<212> DNA
<213> Homo sapiens

```

```

<400> 997
ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc tacacttcaa 60
agcttttggt caattcccat cgaccagagt tgggccgacc agccttggaa aggtcactga 120
aaaatcttca attggattat gttgacctct accttattca ttttccagtg tctgtaaagg 180
ccgtggagaa gtgtaaagat gcaggattgg                                     210

```

```

<210> 998
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 61
<223> n = A,T,C or G

```

```

<400> 998
ggtggctgtg ctggggggcgc cccacaaccc tgctcccccg acgtccaccg tgatccacat 60
ncgcagcgag acctcctgtc ccgaccatgt cgtctggtcc ctgttcaaca ccctcttcat 120
gaacccttgc tgctggggtc tcatagcatt cgcctactcc gtgaagtcta gggacaggaa 180
gatggttggc gacgtgaccg gggccca                                     207

```

```

<210> 999
<211> 315
<212> DNA
<213> Homo sapiens

```

```

<400> 999
ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60
atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggccttc 120
tggcagacct catgcaatgc cctccatggt aatattcatc agaaaatgga taattagggg 180
ggccagcaaa aatatcaagg gtcaaataac gcacatttct gtttaggcca tctatggctt 240
tcatctcctc tgaagtcaac tggaattcaa acacctgcac gttctgtctg atgcgctgct 300
cattgtagct cttgg                                     315

```

```

<210> 1000
<211> 186
<212> DNA
<213> Homo sapiens

```

```

<400> 1000
ctgttactca agaagatgta tttaatgctt gacaataaga gaaaggaagt agttcacaaa 60
ataatagagt tgctgaatgt cactgaactt acccagaatg ccctgattaa tgatgaacta 120
gtggagtgga agcggagaca gcagagcgcc tgtattgggg ggccgcccaa tgcttgcttg 180

```

gatcag

186

<210> 1001

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1001

```
ccacaaagcg gaaactcatc cacttttgcc tttttccgcc ccagggtcaaa aatgcgaatc 60
ttggcatcag ggacacctcg gcagaagcga gactttgggt acggcttggt cttacaatac 120
cggtacaac  gggcggggcg gcggcccatg gcgacaccag gatcttcagt ggc          173
```

<210> 1002

<211> 302

<212> DNA

<213> Homo sapiens

<400> 1002

```
ctgaatgcct gagcccagca gggagctgag gatcatgggg tactgggggg gctgaagac 60
gtcgccgtgc accaacttcc acccagactc ctccatgggt tcttcaatgt catcctcctt 120
gttgtagttg gcaatgtcct tccggagggt ccgaatgata atcatgctca ggatacctga 180
caggaagaag accacaacaa cggagttaat gatagaaaac cagtggatct ggacgtcact 240
catggtcagg taagtgtccc agcgagaggg ccatttgata tcactttcct cccagtggac 300
ag          302
```

<210> 1003

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1003

```
cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120
ggctcactgc aacctctgcc tcctgggctg cagtgattct cctgcgttca agtaattctc 180
ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
tttgatattt tagtagaaat ggggtttcac catgttggcg aggctgggtc cgaactcccg 300
acctcaagga tcctcctgcc tcggcctcct aagggtgctg gattgcaggt gtgagccacc 360
acgtctgg          368
```

<210> 1004

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1004

```
ctgggcggat agcaccgggc atattttgga atggatgagg tctggcaccc tgagcagtcc 60
agcgaggact tggctcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120
gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180
ttacagggtt gggcacagct cgtacacttg ccattctctg catatactgg ttagtgaggt 240
gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcttt gtgg          294
```

<210> 1005

<211> 414

<212> DNA

<213> Homo sapiens

<400> 1005

```
ctgaagcact cttcagagac tacgtccaca gacactgatg ctgaggcctt tcttgtaagt 60
gaagaaaaag gaatgcagca aagaagagtt cgacattgga gtccttagtt ccatcaggat 120
cccattcgca gccttttagca tcatgtagaa gcaaactgca cctatggctg agataggtgc 180
aatgacctac aagattttgt gttttctagc tgtccaggaa aagccatctt cagtcttgct 240
gacagtcaaa gagcaagtga aaccatttcc agcctaaact acataaaagc agccgaacca 300
atgattaaag acctctaagg ctccataatc atcattaaat atgcccaaac tcattgtgac 360
tttttatttt atatacagga ttaaaatcaa cattaaatca tcttattttac atgg 414
```

<210> 1006

<211> 272

<212> DNA

<213> Homo sapiens

<400> 1006

```
ccggagccca cggtggtcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc 60
ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120
ccagccaagg acagggtgga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gccctgcag 240
gaagcagaat gcaccttctg aggcacctcc ag 272
```

<210> 1007

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14

<223> n = A,T,C or G

<400> 1007

```
cctgccttac tctnttcctt ttccccaggg actcttggtt ttcagaagcc cctctggaat 60
gtcctacctg gcctaacccc ataccagcag tgcagacaag gaggcactcc tactatagtg 120
ggtccagccc atggagagac tcacttctg ccccaacacc tcttccccta gaccctgagg 180
gccaggacaa tgtcttagtg ccttccaact tggcagagtg aggcccatg agacagagag 240
aaagggggaa gagggaaata cttttatcca aataaatacc catccaaaat tatttgtgat 300
aggtgaaaaa tgg 313
```

<210> 1008

<211> 317

<212> DNA

<213> Homo sapiens

<400> 1008

```
cctcaatgtc gtgctagagg ggccgaagaa ggccgtgaac gacgtgaatg gcctgaagca 60
atgtttggca gaattcaagc gggatctgga atgggttgaa aggctcgatg tgacactggg 120
tccggtaccg gagatcggtg gatctgaggc gccagcacct cagaacaagg accagaaagc 180
tgttgatcca gaagacgact tccagcgaga gatgagtttc tatcgccaag cccaggccgc 240
agtgccttga gtcttaccct gcctccatca gctcaaagtc cctaccaagc gaccactga 300
ttattttgcg gaaatgg 317
```

<210> 1009
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 1009
 tttttttgta gggatatagaa aatacatttt taattttgat agagttcaca aatgacagca 60
 ttgacatttc tttaaacaaa tacttctgtc aaggcacagc attaccatgt gtccccagat 120
 gcccaagagg cagtgatattc atgtccccct gaggttttagc agagccacca atgtcaatag 180
 ggtggctgac ggggcctaga tttgctacca gataagccaa tgagacatgc tgtcagattt 240
 atggttacat aatcaagtat ttaaaaagat gcacaatagg taactgcaat gagcttggtc 300
 tgcatttagc gatagttcct ttcaaacaaa gaagatagtt ttcagtatca agaaggatgc 360
 ctatatgtat gtcttccatg gagcctttcc tacaaattgc tttcattaca cattaaaagg 420
 agttcagctt tattgtgacc ttcttgagtc attcag 456

<210> 1010
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 1010
 ctgggcatgg gctgaggaga ggtcttgctt gcccccttca actttccatc tcagaactat 60
 aaactgctag gctgcaagga gagaagggt aagtgggggt cagacaggag agaagggcag 120
 gaggcagtga gccccgatga cccaccaact ccaccaggcc ctgacaggga agcccccttg 180
 gttagtatca ttttgg 196

<210> 1011
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 1011
 ccttgcggt gctgcgaaag gccacggcgc tgctgcccg ccgggcccag tactttgatg 60
 gttcagagcc cgtgcagaac cgcgtgtaca agtcactgaa ggtctggtec atgctcgccg 120
 acctgaagga gagcctcggc accttccagt ccaccaaggc cgtgtacgac cgcctcctgg 180
 acctgcgtat cgcaacaccc cagatcgtea tcaactatgc catgttcctg gaggagcaca 240
 agtacttcga ggagagcttc aaggcgtacg agcgcggcat ctgctgttgc aagtggccca 300
 acgtgtccga catctggagc acctaccta ccaaattcat tgcccgtat gggggccgca 360
 agctggagcg ggcacgggac ctgtttgaac aggctctgga cggctgcccc caaaaatatg 420
 ccaagacctt gtacctgctg tatgcacag 449

<210> 1012
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 274, 275
 <223> n = A,T,C or G

<400> 1012
 ccaggaccac aacccccacgc tgtagctggt agcgcagggc aatcagggct ggggttcgct 60
 tgtgtctttt tgccaaggca caaaggactg ggtctccaa gagcaccggg gagttcgggt 120

```
ccacccatgg ttcttctcgg tgggatccca gagcactata ggcaaccaga acaatgtctt 180
ttgacttgca gaaatccagc agttttctct ggttgaagta aggatgacat tccacctggg 240
tgcagacagg cttgtacttg agccctggct tgtnnaggat catctccag 289
```

```
<210> 1013
<211> 221
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 98, 99, 132, 133, 180
<223> n = A,T,C or G
```

```
<400> 1013
tctgtaaagt ctgcgttctt aatttagtaa aataaaagaa tagacactaa aatcatgttg 60
atctataatt acacctatgg gatcaataag catgtcanna ctgattaatg tctactgtaa 120
aaatttggtg gnnaaatttt catttgatat tagatataaa tatctgaata taaataattn 180
taatatacta gtcatgatgt gtgttgattt ttaaaaatta t 221
```

```
<210> 1014
<211> 512
<212> DNA
<213> Homo sapiens
```

```
<400> 1014
gggccccga agcctctaca atgggctggt tgccggcctg cagcgccaaa tgagctttgc 60
ctctgtccgc atcggcctgt atgattctgt caaacagttc tacaccaagg gctctgagca 120
tgccagcatt gggagccgcc tcttagcagg cagcaccaca ggtgccctgg ctgtggctgt 180
ggcccagccc acggatgtgg taaagggtccg attccaagct caggcccggg ctggagggtg 240
tcggagatac caaagcaccg tcaatgccta caagaccatt gcccgagagg aagggttccg 300
gggcctctgg aaagggacct ctcccaatgt tgctcgtaat gccattgtca actgtgctga 360
gccggcgacc tatgacctca tcaaggatgc cctcctgaaa gccaacctca tgacagatga 420
cctcccttgc cacttcactt ctgcctttgg ggcaggcttc tgcaccactg tcatcgccctc 480
ccctgtagac gtggtcaaga cgagatacat ga 512
```

```
<210> 1015
<211> 553
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 518
<223> n = A,T,C or G
```

```
<400> 1015
ctgggcagga agattatgat cgcccagagg ccctctccta cccagatacc gatgttatac 60
tgatgtgttt ttccatcgac agccctgata gttcagaaaa catcccagaa aagtggaccc 120
cagaagtcaa gcatttctgt cccgacgtgc ccatcatcct ggttgggaat aagaaggatc 180
ttcggaatga tgagcacaca aggcgggagc tagccaagat gaagcaggag ccggtgaaac 240
ctgaagaagg cagagatatg gcaaacagga ttggcgctt tgggtacatg gagtgtctag 300
caaagaccag agatggagtg agagaggttt ttgaaatggc tacgagagct gctctgcaag 360
ctagacgtgg gaagaaaaaa tctgggtgcc ttgtcttggt aaaccttgct gcaagcacag 420
```

```
cccttatgcg gtttaattttg aagtgcgtgtt tattaatctt agtgtatgat tactggcctt 480
tttcatttat ctataattta cctaagatta caaatcanga agtcatcttg ctaccagtat 540
ttagaagcca act 553
```

```
<210> 1016
<211> 431
<212> DNA
<213> Homo sapiens
```

```
<400> 1016
ccacttcaca tgatggcggg cctttaagag cacaaagaag tttaatatgg acaacaacag 60
gaaaaagcaa gaagaaaaca agtagggaaa gacagctaac ctggagagag agaatttctt 120
taacctttat gttcttcatt aaaaatctta tcttggaactg atttgaggga tttttagaaa 180
catggcctta ttttatataa gcattacott cccaggaatc tttgttggtat attaatTTTT 240
gataaccatt tgattaactt taaaattaag tataatgtgtg tatatatata tatgtatggt 300
tatatacaca catgtatctg tatagtttta tatatacata tatacacata gacatacaga 360
gaaccactac tttgtaatag tgtacagttt gttttatatac tctttacttt ttttggttact 420
attttatctg t 431
```

```
<210> 1017
<211> 490
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 427, 434
<223> n = A,T,C or G
```

```
<400> 1017
ctggaagaac aaggcgaagt tctggtggct gtctgcgatg aatgtgccct tggctttggc 60
tgggtatgtc acccgggtag ttttgggtgc aatgctctga tccttatcca cgggtggaaag 120
atcaacattt gtgatgcaa cttcagtgga gatcttgact ctgagctcta cggtatattgc 180
aatataccgg ttgtcacctt caacttcgac aaggaagtca taataaccac tggaaaattt 240
gacgttcatg aaatttagtt caaaaacatc ccctacaggg gtgaaggatg tcttctggag 300
gacagtggct ctggaagcaa cagatttagc atgttctagt ttaacagtgg cctgagtcag 360
aggctgagac agaacattgg tgacttgcaa ccgcaagata gcctgttcat gagtgtcggg 420
agcaganccc tcangcacia ccacaactgg cacgtggtag cgattatgcg agagcacagg 480
cagacctcgg 490
```

```
<210> 1018
<211> 503
<212> DNA
<213> Homo sapiens
```

```
<400> 1018
ggagtaagct gagtacaagt accatagcag cagagctgca aaaggctctg ggacctatag 60
tcctaattga agataaggtc atggggccta aggccatggg gcctgaggca cccctagacc 120
ctgagccttc agcatttaag ggagggtgtc cccccattct cgataggcca tggtagacag 180
atgggtctag ccgaggtgct ataactgctt ggaccactgt tgcagtccaa cctagtactg 240
acactatatg gtttgaaacc cgggtgtggac aaagtagcca atgggctgaa cttagagcag 300
tgtggatggt gatcaccaag gaggtgacac tgatggtaat ctgtatcaat agctgggtgg 360
totaccaagg cttaactttg tggttaacta cctggaaaat acagaagttg ctagtcggcc 420
accaacccat ttgggggtcaa gccacgtggc aagacctctg ggaaatgggt catcagaaac 480
```

aggtaaccgt ttatcatgtg tca

503

<210> 1019

<211> 348

<212> DNA

<213> Homo sapiens

<400> 1019

```
cctgtgtatg gagtagaggc ggggtgcacgg gtactgttcc tcacggcagt caagaggccc 60
aggctctgtg ggctccagct ctgcatttcc cggttctggg gttggggctg ggatgacttc 120
ctgttgact tgctgctggg actggaactg gaactgttcc tcggagggcc gaggagtcac 180
ctcttgataa tcatagtagt ctgggttgtc gatctggtcg ctatagtggg tgtactggac 240
gtggtcaggg aacggcggca gcgggtccag gtcatactgg ccctgagcca gcaagcctgc 300
aggcaggaat agcaggaaga ggtaggcagc tctcatggca acaaagag 348
```

<210> 1020

<211> 260

<212> DNA

<213> Homo sapiens

<400> 1020

```
ccacacggcg accgagggac agatggggcc ctgcgtccca taggctgcct gaaggtgggt 60
agggcggcct gcggcatagt ggggtggctg tgggtccca gcctggcccc tgggaaccgt 120
gggagcacag ggacaagcac atggctatgg aatgcagggt gaccaagga caagcgagtt 180
gcggggatct ctactgtgac catgcagaat tgatcgagc ctgctgcgcc accaccacct 240
catgttcccc aggggaacag 260
```

<210> 1021

<211> 407

<212> DNA

<213> Homo sapiens

<400> 1021

```
ccttatgact ataacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
ggagacgatg tcatcatcat cggggtcttt aagggggaga gtgacccagc ctaccagcaa 180
taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240
gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gcctgagaaa 300
ttccagtcca agtatgagcc ccggagccac atgatggacg tccagggctc caccagggac 360
tcggccatca aggacttcgt gctgaagtac gccctgcccc tgggttgg 407
```

<210> 1022

<211> 140

<212> DNA

<213> Homo sapiens

<400> 1022

```
ccaccccaga gtgggagagg ctgggaggtt gggaggctgt ggagagaagt gagcaagggtg 60
ctcttgaacc tgtgctcatt ttgcaatttt atcagtaatt tgacttagag tttttacgaa 120
acctcttttg ttgtccttgc 140
```

<210> 1023

<211> 280

<212> DNA

<213> Homo sapiens

<400> 1023

```
ctggaggtgc ctcagaaggt gcattctgct tcctgcaggg gcttgaaaca ccaaggcact 60
ccagggatcc tggagtcaaa gcagcagccc cggttggtgc actccttggg ggtgacatgg 120
gggtagccgc agtccaccct gtccttggct ggacggcac actggtttgc agacaggccc 180
gcgtactcct cagcagagct ggaggacagc aaggccagga ccagccccag catgcagagc 240
gctctggcag ccatgaccac cgtgggctcc gggacgcagc                280
```

<210> 1024

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 262

<223> n = A,T,C or G

<400> 1024

```
cctggctgag caggcagagc accctgggac cccagggcag aaggaccct gccctccagt 60
ccccaaagacc caggcccgtc tccactcata cagccacct acatgtgacg tcagccctga 120
aaaggtaaca ggaaagttca gaacaaaaac aaaaccccaa aagtaaaaag gctacgtgta 180
gcagagtaat accggaaacg ttatatacac aggcggtgat ggccccctcg gaagtgtccg 240
ggtcacttag ggggcactgc anaggtccct gtgg                274
```

<210> 1025

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 427, 431, 440

<223> n = A,T,C or G

<400> 1025

```
gcaaagagtg tactgtgctt gaggcagagc actcacacat aaatggctgt gtgtggaatt 60
gcttgccaaa gaagtttcta gcctttccct tccccctaac tgcacaggg aagaattctt 120
atctctagct tggtttccac atgaggtttt tctgagaagg gcttgggaca agaagtctgt 180
catgttagtt aagcaggcaa gaaatcctac taatccagtt ttgtttgaaa gttgtttgtc 240
cgtatgattt tttaaaagtc aagtttaatt tcaaaaaacc ttttttttct gagattactt 300
ttggggtaat atttaaaatg agagacattt tgtaaccctg taaaatacat aggggaatata 360
acattccagt gtatacaaag aaggcaaatt cttaaatcaa ataaagcgca ttataaaatc 420
aaaaaaaaaa naaaaaaaaa aaaaaa                446
```

<210> 1026

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1026

```
ctgtgagaga gatgctcaat atgccccagg ctatgacaaa gtcaaggaca tctcagaggt 60
ggtcacccct cggttccttt gtactggagg agtgagtccc tatgctgacc ccaataactg 120
```


cagaggtgat tctggcggcc ccttgatagt tcacaagaga agtcgtttca ttcaagttgg 180
tgtaatcag 189

<210> 1027

<211> 92

<212> DNA

<213> Homo sapiens

<400> 1027

ccagaccctc cttagtacag gatctcggac cacaaccaa ggagtctcgt ggccttggat 60
tcccagaccc taggatggta tccctctgac ag 92

<210> 1028

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1028

ctgaaaagcc atctttgcat tgttcctcat ccgcctcctt gctcgcgcga gccgcctccg 60
ccgcgcgcct cctccgcgcg cgcggactcc ggcagcttta tcgccagagt ccctgaactc 120
tcgctttctt tttaatcccc tgcacgggat caccggcggtg cccacccatg tcagacgcag 180
ccgtagacac cagctccgaa atcaccacca aggacttaaa ggagaagaag gaagttgtgg 240
aagaggcaga aaatggaaga gacgcccctg ctaacgggaa tgctaataag gaaaatgggg 300
agcaggaggc tgacaatgag gtagacgaag aagagggaaga aggtggggag gaagaggagg 360
aggaagaaga aggtgatggt gaggaagagg atggagatga agatgaggaa gctgagtcag 420
ctacggggca gcgggcag 438

<210> 1029

<211> 330

<212> DNA

<213> Homo sapiens

<400> 1029

ccagccgcat gggagtggag gcagtcacgc ccttgctaga ggccaccccg gacaccccag 60
cttgcgctgt gtcactgaac gggaaccacg ccgtgcgcct gccgctgatg gagtgcgtgc 120
agatgactca ggatgtgcag aaggcgatgg acgagaggag atttcaagat gcggttcgac 180
tccgagggag gagctttgcg ggcaacctga acacctaca gcgacttgcc atcaagctgc 240
cggatgatca gatcccaaag accaatcgca acgtagctgt catcaacgtg ggggcacccg 300
cggctgggat gaacgcggcc gtacgctcag 330

<210> 1030

<211> 228

<212> DNA

<213> Homo sapiens

<400> 1030

ctggagactc tggggccagga gaagctgaag ctggaggcgg agcttggaac catgcagggg 60
ctgggtggagg acttcaagaa caagtatgag gatgagatca ataagcgtac agagatggag 120
aacgaatttg tctcatcaa gaaggatgtg gatgaagctt acatgaacaa ggtagagctg 180
gagtctcgcc tggaagggct gaccgacgag atcaacttcc tcaggcag 228

<210> 1031

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1031

```
ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcagggttact tcatggcagc tatcccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240
ctcaggggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294
```

<210> 1032

<211> 278

<212> DNA

<213> Homo sapiens

<400> 1032

```
ggagggtatta cagacagcac tgcactttgg agttgggcag ctacatcgag gacctctttg 60
tggtccacag tgacctctcc agcattgtga tcctggataa ctcccaggg gcttacagga 120
gccatccaga caatgccatc cccatcaaat cctggttcag tgaccccagc gacacagccc 180
ttctcaacct gctcccaatg ctgggtgcc tcaggttcac cgctgatgtt cgttccgtgc 240
tgagccgaaa ccttcaccaa catcggtctt ggtgacgg 278
```

<210> 1033

<211> 155

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9, 17, 31, 74, 75

<223> n = A,T,C or G

<400> 1033

```
cgcgttcanc catgttnaaa ccgattgcat naacttcgaa accggcccgcc ccgccggcgc 60
ctggagaggg gcanngggag aagcagagag tttatcattc atctgtacac atagacgttt 120
cttcttttaa taacaccacg ggccgggagcc ccac 155
```

<210> 1034

<211> 401

<212> DNA

<213> Homo sapiens

<400> 1034

```
ctggaccagc accccattga cgggtacctc tcccacaccg agctggctcc actgcgtgct 60
cccctcatcc ccatggagca ttgcaccacc cgctttttcg agacctgtga cctggacaat 120
gacaagtaca tcgccctgga tgagtgggcc ggctgcttcg gcatcaagca gaaggatata 180
gacaaggatc ttgtgatcta aatccactcc ttcacagta ccggattctc tctttaacct 240
tccccttcgt gtttccccca atgtttaaaa tgtttgatg gtttggtgtt ctgcctggag 300
acaagggtgct aacatagatt taagtgaata cattaacggt gctaaaaatg aaaattctaa 360
cccaagacat gacattctta gctgtaactt aactattaag g 401
```

<210> 1035

<211> 333

<212> DNA

<213> Homo sapiens

<400> 1035

```

ctgagctggg ggttgaattt ctccaggcac tccctggaga gaggacccag tgacttgtcc 60
aagtttacac acgacactaa tctcccctgg ggaggaagcg ggaagccagc caggttgaac 120
tgtagcgagg cccccaggcc gccaggaatg gaccatgcag atcactgtca gtggagggaa 180
gctgctgact gtgattaggt gctggggtct tagcgtccag cgcagcccgg gggcatcctg 240
gaggctctgc tccttagggc atggtagtca ccgcgaagcc gggcaccgtc ccacagcatc 300
tcctagaagc agccggcaca ggagggaagg tgg                                     333

```

<210> 1036

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1036

```

ccaatgtaca tgggtggacta tgccggcctg aacgtgcagc tcccgggacc tcttaattac 60
tagacctcag tactgaatca ggacctcact cagaaagact aaaggaaatg taatttatgt 120
acaaaatgta tattcgata tgtatcgatg ccttttagtt tttccaatga tttttacact 180
atattcctgc caccaagg                                     198

```

<210> 1037

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1037

```

ctggagatga tcctcaacaa gccagggtct aagtacaagc ctgtctgcaa ccagggtggaa 60
tgtcatcctt acttcaacca gagaaaactg ctggatttct gcaagtcaaa agacattggt 120
ctggttgctt atagtgtctt gggatccac cgagaagaac catgggtgga cccgaactcc 180
ccggtgctct tggaggaccc agtcctttgt gccttggcaa aaaagcacaa gcgaacccca 240
gcctgattg cctgcgcta ccagctacag cgtggggttg tggctctgg                                     289

```

<210> 1038

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1038

```

ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
cttgagggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120
aatacaaaaa attagccaag tgtggtggca tatgctgta atcccaacta ctcagaaggc 180
cgaggcagga gaattacttg aacgcaggag aatcactgca gcccaggagg cagaggttgc 240
agtgaagcga gattgcacca ctgcactcca gcctgggtga cagagcaaga ctccatctca 300
gtaaataaat aaataaataa aaagcgctgc agtagctgtg gcctcacct gaagtcagcg 360
ggcccagg                                     368

```

<210> 1039

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 226, 227, 246, 259, 390, 391

<223> n = A,T,C or G

<400> 1039

```
ctgggcctat gctgggtcatg aacgggtcctg gaaaatgact cccttccttc agtatctgca 60
tcctcatgaa gtcattcatt ttggagatcg tgtcttcact tttcttggtg aagaaactgc 120
tggtatggagt tgttggtggc atctgaggag tccgaagatg gctctcaggg aagggtgtgc 180
tggcctctga aggatttgga agctgactct gttcctgggg tagctnnatg ctcttggggg 240
cattgnttct cgggtttgnt ttttcttta tctggataaa actatgcatt tctgaaatca 300
gttttgacat ctgggttctt tttcctaagt cgaaagcaga aaagtgggaa gcttatctcc 360
ttcttcacag ggggatattg tggacattgn nctgtcccca ctacatccat ttttcct 417
```

<210> 1040

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1040

```
ctgtccaatg gcaacaggac cctcactcca ttcaatgtca caagaaatga cgcaagagcc 60
tatgtatgtg gaatccagaa ctcagtgaagt gcaaacccga gtgaccaggt caccctggat 120
gtcctctatg ggccggacac ccccatcatt tcccccccag actcgtctta ctttctggga 180
gcgaacctca acctctcctg ccactcggcc tctaaccat ccccgagta ttcttggcgt 240
atcaatggga taccgcagca acacacacaa gttctcttta tcgccaaaat cagccaaat 300
aataacggga cctatgcctg tttgtctct aacttggcta ctggccgcaa taattccata 360
gtcaagagca tcacagtctc tgcattctga acttctcctg gtctctcag 409
```

<210> 1041

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 473

<223> n = A,T,C or G

<400> 1041

```
cctcggtctc acacctccgc tgtgaccaca gcctcaggtc aagctgtgct ggggccatcc 60
accttccttt gccatttaga agatggggct tggagcttgg caacacagaa attgacatca 120
gccttataaa accttggtcg aacctaccga cctccaggag aatttcagcc aaaacaaaaa 180
agcaaataca cagagggacc ctggaaccag aatccctccc catgggaaag acgaaggcac 240
agagattcga gccaaagttc ccaacatgtt ggtgtttgca gaaaagtccg gtcacgtcac 300
acacagcaca gaggcaagaa gcgaaggcag tggcattcac aggactactt tatattaaag 360
tttattacat ttggaaaatc tactgtacag ggaaaaaccc attggattaa gtagagtttt 420
gccaaaagca aaagactatc actctttgga aaatatctct gattccagcc canggccag 480
ggtggggcca ca 492
```

<210> 1042

<211> 125

<212> DNA

<213> Homo sapiens

<400> 1042

```
cctgggtctg atccagtgc ccctctcacc aaagaactcg gtttaaccag ggctctgtaa 60
gaccactccc acccagagac ttgtgtggcc tgggtgtggcc tgtgtgtcgg attccttct 120
```

gtcag

125

<210> 1043

<211> 459

<212> DNA

<213> Homo sapiens

<400> 1043

```

ccagcctgga gataaggggtg aaggtgggtgc ccccgactt ccaggtatag ctggacctcg 60
tggtagccct ggtgagagag gtgaaactgg ccctccagga cctgctgggt tccctgggtgc 120
tcttgacag aatgggtgaac ctgggtggtaa gggagaaaga ggggctccgg gtgagaaagg 180
tgaaggaggc cctcctggag ttgcaggacc ccctggaggt tctggacctg ctggctcctcc 240
tggtcccca ggtgtcaaag gtgaacgtgg cagtccctgg ggacctgggt ctgctggctt 300
ccctgggtgt cgtgggtcttc ctggctcctcc tggtagtaat ggtaaccag gacccccagg 360
tcccagcgt tctccaggca aggatgggcc cccaggtcct gcgggtaaca ctgggtgctcc 420
tggcagccct ggagtgtctg gaccaaagg tgatgctgg 459

```

<210> 1044

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1044

```

cctgggccc ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120
ggctcactgc aacctctgcc tccctgggctg cagtgtattct cctgcgttca agtaattctc 180
ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
tttgatattt tagtagaaat ggggtttcac catgttggcg aggetgggtc cgaactcctg 300
acctcaagga tctcctcgtc tcggcctcct aaggtgctgg gattgcagggt gtgagccacc 360
acgtctgg 368

```

<210> 1045

<211> 315

<212> DNA

<213> Homo sapiens

<400> 1045

```

ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60
atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggcctcc 120
tggcagacct catgcaatgc cctccatgtt aatattcatc agaaaatgga taattagggg 180
ggccagcaaa aatatcaagg gtcaaatac gcacatttct gtttaggcca tctatggctt 240
tcatctctc tgaagtcaac tggaattcaa acacctgcac gttctgtctg atgcgctgct 300
cattgtagct cttgg 315

```

<210> 1046

<211> 317

<212> DNA

<213> Homo sapiens

<400> 1046

```

cctgcctgg agggccccgg gcagcacagg gaggacgagc ttgtccagca gagggctctgg 60
cagaggggtcc cgcagaggtt tgggcagggg gtctgacatc cctggctcct gctctggctc 120
tggctgccgg gatttgaca ggcccagggt catacagatg ccgtttgagt caatctgggt 180
ctggaagtag tcgatgacca gggggaagta gtcgtcaagc acttggttgc actggggcat 240

```

1043
 1044
 1045
 1046

gagcagcttc aaggggagga cggtgcactc ctgctccagg aacttcctca ccgtgtcctg 300
gaaaatggcc tccttgg 317

<210> 1047
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 183, 271, 287, 292, 294, 343
<223> n = A,T,C or G

<400> 1047
gtacaagctt tttttttttt tttttttttt tttgtttaat gcttgaactt ttttttgag 60
agagaaattt agaaagacac aaggtacaca gagtaaaatg tttttctttt ttcaggacct 120
tgaactgaat ctgcactgc tttggtttct atctaggaag ctacgcgaca gcagagtctg 180
tanaggcggc cactgatttc acacaccccg gagagggact cacgggtagc acaacggccg 240
gttcggcaat agcagggtggc tcttgccctga naacctgagg ttctaanaagc ananagtcca 300
tttcctgcaa aggagatagc aaggctcctg ttgtcttccc canactgctt ctgggttgta 360
gcctcatcag ctcttttctg gagtgactca gcctgggcct gcagggccac ca 412

<210> 1048
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 267, 336, 344, 360, 395, 419, 420, 430, 441
<223> n = A,T,C or G

<400> 1048
taaaaaaagg aaaaagtttt attacgaaac tagtttgtat aaaacagggt tatacatatt 60
tttgtaagtt tgtaataaaa cagtaagaaa aaaaggcagt aatagaaatc tccaaaaggc 120
aacctatcaa aaccaactgg ctgccacttt gagtttgagc agtagctgca taaactttgt 180
tcttcttgaa cagtatttaa taacatcatt aatacattaa caacatttct ataaagtaag 240
acacattggg gctgaagtac aactgngggc ctcttgatct cacctatgag gagagttctt 300
tacaaaacca catagggaaa attgcagttg taaggngaac tacncatcta aaatatgcan 360
aggtaatagc attacatgtt aaaggatatca aggnatata cacattttta accatttggn 420
acaaaacttn tataaaattt ntttctctct ctttctctct tatgcacaaa aaatat 476

<210> 1049
<211> 274
<212> DNA
<213> Homo sapiens

<400> 1049
cctggctgag caggcagagc accctgggac ccagggcag aaggaccct gccctccagt 60
ccccaagacc caggcccgtc tccactcata cacgccacct acatgtgacg tcagccctga 120
aaaggtaaca ggaaagttca gaacaaaaac aaaaccccaa aagtaaaaag gctacgtgta 180
gcagagtaat accggaaacg ttatatacac aggcggtgat ggccccctcg gaagtgtccg 240
ggtcacttag ggggcactgc agaggtccct gtgg 274

<210> 1050
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 1050
 ctgcagcctg ggactgaccg ggaggctctg attatattacc caccacaggt aggttgtgtt 60
 ctgaatctca gggtcacagg ttaaggctac agcatcctca tcctccacgg gggtggagtt 120
 gttgctggtg atgaaggggt tgggtggctc tgcatagact gtgatcgctg tgactgtggt 180
 cctattgagg ccagtgtctg agttatgggc ttggcacgta taggatccac tattattcac 240
 agtgatgttg gggataaaga gctcttgggt ggattgctgg aaagtcccat tgacaaacca 300
 agagtactgt gcagggtgggt tagaggctgc gtggcaggag aggttcagat tttcccctga 360
 tctgtaagat gtgttttagag gggaaatggt gggggcatcc gggccataga ggacattcag 420
 gatgactgaa tcactgcgcc tggcactcac tgggttctgg gtttcacatt tg 472

<210> 1051
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 1051
 ccaccaaccg tggcatcacg cgaatccggg gcaccagcta ccagagccct caccggcatcc 60
 ccatagacct gctggaccgg ctgcttatcg tctccaccac cccctacagc gagaaagaca 120
 cgaagcagat cctccgcata cgggtgcgagg aagaagatgt ggagatgagt gaggacgcct 180
 acacggtgct gacccgcata gggctggaga cgctactgct ctacgccatc cagctcatca 240
 cagacctgc 249

<210> 1052
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 1052
 ccaggaccac aacccccacg tgtagctggt agcgcagggc aatcagggct ggggttcgct 60
 tgtgtctttt tgccaaggca caaaggactg ggtcctccaa gagcaccggg gagttcgggt 120
 ccacccatcg tttgtctcgt tgagatccca gagcactata ggcaaccaga acaatatctt 180
 tcgacttgca gaaatctagc aatttactcc ggttgaaata cggatgacat tctacctggt 240
 tgcagacagg cttgtacttg agtcctggct tgttgaggat catctccag 289

<210> 1053
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 1053
 ccacgactgc atgccgcgcg ccgccagggt atacctccgc cgggtgacca ggggctctgc 60
 gacacaagga gtctgcatgt ctaagtgcta gacatgctca gctttgtgga tacgaggact 120
 ttgttgctgc ttgcagtaac cttatgccta gcaacatgcc aatctttaca agaggaaacc 180
 gtaagaaagg gccagccg 199

<210> 1054
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 1054

```

tcgaccctgt gaagcaggag acagatgctg cattttcact gttgtttgtc ctctgttttt 60
gtagcatccc cggaacttc cccatcagcc aggggcttgt cccaccacc cttcacctgg 120
ctttccagtt ggctgagacg ctgcttcacg ttcattctgg tggcgttgta ctcagccagg 180
aggcgtgcaa acctggtctg cagggcgctc agggaggacc ccag 224

```

<210> 1055

<211> 390

<212> DNA

<213> Homo sapiens

<400> 1055

```

cctcttatta gggctctggt agcggcgggc gcggaacctt ggggtctgga cgcaacggcg 60
gcgggagcat gaacgcccc cccagcttcg agtcgttctt gctcttcgag ggcgagaaga 120
agatcaccat taacaaggac accaaggtac ccaatgcctg tttattcacc atcaacaaag 180
aagaccacac actgggaaac atcattaaat cacaactcct aaaagaccog caagtgtat 240
ttgctggcta caaagtcccc cacccttgg agcacaagat catcatccga gtgcagacca 300
cgccggacta cagccccag gaagccttgg ccaacgccat caccgacctc atcagtgagc 360
tgtccctgct ggaggagcgc tttcgggtgg 390

```

<210> 1056

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 21, 22, 230, 232, 377, 391

<223> n = A,T,C or G

<400> 1056

```

ccagcatcac ctttttggtc nnacactcca gggctgccag gagcaccagt gttacccgca 60
ggacctgggg gccatcctt gcctggagaa ccgctgggac ctgggggtcc tgggttacca 120
ttactaccag gaggaccagg aagaccacga gcaccaggga agccagcagc accaggtcca 180
ccaggactgc caggttcacc ttgacacct tggggaccag gaggaccagn angtcagaa 240
cctccagggg gtcctgcaac tccaggagg cctccttcac ctttctcacc cggagccct 300
ctttctcctt taccaccagg ttcaccattc tgtccaggag caccaggga accagcaggt 360
cctggagggc cagtttnacc tctctcacca nggctaccac gaggtccagc tatacctgga 420
agtccggggg caccaccttc acccttacct 450

```

<210> 1057

<211> 337

<212> DNA

<213> Homo sapiens

<400> 1057

```

tgagcgggcg cccggcaggt cctcgctgg agggccccgg gcagcacagg gaggacgagc 60
ttgtccagca gagggtctgg cagagggtcc cgcagaggtt tgggcagggg gtctgacatc 120
cctggctcct gctctggctc tggctgccg gatctgcaca ggcccaggtg catacagatg 180
ccgtttgagt caatctggtt ctggaagtag tcgatgacca gggggaagta gtcgtcaagc 240
acttggttgc actggggcat gagcagcttc aaggggagga cgttgcactc ctgctccagg 300
aacttcctca tcgtgtcctg gaaaatggcc tccttgg 337

```


<210> 1058
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 1058
 ctggggactg ggaatgctag catatggtat ctcaagttgg ctctcagaac taaacgggga 60
 taagggccta gaatggaaga gggaaccagc cagaccctca gtccttctctg tcctggactg 120
 ggagccacag atgtccctgt gatctgtcac tgccctgatc tgggtcttca gccattaaag 180
 ctcagtgtca tcttcagtca ccaacggggg tcttggtgtc cttccaaacc cctttgg 237

<210> 1059
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 169, 170
 <223> n = A,T,C or G

<400> 1059
 agcccatccc cccggtcccc tcctagtctg ccctgcgtcc tctgtccccg ggtttcagag 60
 acaacttccc aaagcacaaa gcagtttttc cccctagggg tgggaggaag caaaagactc 120
 tgtacctact ttgtatgtgt ataataattt gagatgtttt taattattnn gattgctgga 180
 ataaagcatg tggaaatgac ccaaaaaaaaa 210

<210> 1060
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 1060
 ctggccacag agcccagcaa gtccttctctg ggagagaaga gttagggtctg atactgaagg 60
 tctctttcac atctgggcac acgtctgcct tcaggctgta agaatttcat ttgtcgattg 120
 ttaataaaaa ccaggagaaa gcaatgcagg tctctgggaa tctcatccct tccataagga 180
 aaatgctctg ccaattcaag tttcattcag tcaggaagac agaaggattt aaggcttcgg 240
 tgacaattat aatcctctga gaaattattt ccccttaaag tcaagataag ataatagtgt 300
 ttactgtact ttctcttgac tcttgaaatc cctggtattg ggtgtaggca acttgcacct 360
 gcaatgaagt ccgcaggaga ggaaggtctc tcctcccccg aaagctatcc caggtcacat 420
 gcgtggcgaa tgcccactga acctcggctc tcatggaagc aggaaagaca ccgagattca 480
 agccttctag taggttgagg acgctgtgct catggcatct tcggagattt tggtagtggc 540
 aggggtggat gcttgcaaaa tact 564

<210> 1061
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 1061
 cctatggagg tgcctatgat gtcatgagct ctaagcacct ttgtgggtgat accaactatg 60
 cctggccac cgcagagatt gcggtcatgg gagcaaaggc cgctgtggag atcatcttca 120
 aagggcatga gaatgtggaa gctgctcagg cagagtacat cgagaagttt gccaacctt 180
 tccctgcagc agtgcgaggg tttgtggatg acatcatcca accttcttcc acacgtgcc 240

gaatctgctg tgacctggat gtcttgg

267

<210> 1062

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 533, 592

<223> n = A,T,C or G

<400> 1062

```
ctggtcatct tgtcatgtga agaccatctt cctacagagt ctaggctggc cgtcgttgaa 60
gtcctcacca gtactacacc acttttcctc accaaccacc atcctattct tgagttgcag 120
gatacacttg ctctctggaa gtgtgtcctt acccttctgc agagtgagga gcaagctgtt 180
agagatgcag ccacggaaac cgtgacaact gccatgtcac aagaaaatac ctgccagtca 240
acagagtttg ccttctgcca ggtggatgcc tccatcgctc tggccctggc cctggccgtc 300
ctgtgtgata tgctccagca gtgggaccag ttggcccttg gactgcccat cctgctggga 360
tggctgttgg gagagagtga tgacctcgtg gcctgtgtgg agagcatgca tcaggtggaa 420
gaagactacc tgtttgaaaa agcagaagtc aacttttggg ccgagaccct gatctttgtg 480
aaatacctct gcaagcacct cttctgtctc ctctcaaaag tccggtctggc gtnccccaag 540
ccctgagatg ctctgtcacc ttcaaaggat ggtgtcagag cagtgccacc tnetgtctca 600
gtt 603
```

<210> 1063

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1063

```
ccatcgaggaa tcaactgagat gcagtgggcg tccccgtagc tggcccgagg catgccaccc 60
tggaagatgg tgaaggggcaa cccctgccta gtggtcagcc ggaggattct ggtaatcgct 120
ttgcaaggaa agggaccgta aggcacgagg ctgcggaggg gctctgggtt ctgggcttcg 180
ctggacacgg gccactggca gtagctgccg tcagagtgac ag 222
```

<210> 1064

<211> 72

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13, 14

<223> n = A,T,C or G

<400> 1064

```
gatgatcaat atnnactgga acacatgcat gcttttggaa tgtataatta cctgcactgt 60
gattcatggt at 72
```

<210> 1065

<211> 251

<212> DNA

<213> Homo sapiens

```
<210> 1066
<211> 289
<212> DNA
<213> Homo sapiens
```

```
<210> 1067
<211> 301
<212> DNA
<213> Homo sapiens
```

```
<210> 1068
<211> 255
<212> DNA
<213> Homo sapiens
```

```
<210> 1069
<211> 77
<212> DNA
<213> Homo sapiens
```

```
<400> 1069
ctggacaggc tccagcaccg gcccaaacac gccagacct cggcaggcac cacctggttc 60
tcccacccaq aaagttc                                     77
```

<210> 1070
 <211> 163
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 12, 108, 109, 137, 147, 148
 <223> n = A,T,C or G

<400> 1070
 ctgctgggat gncgtccaag tttttcagcc ataaggtagc gaaatctagc agaatccaga 60
 ttacatccac ttccaatcac gcggtgtttg ggtaatccac ctagttnna ggtaacatac 120
 gtaagaatgt ccaactgngtt ggaaacnca attatgatgc aat 163

<210> 1071
 <211> 246
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14
 <223> n = A,T,C or G

<400> 1071
 ctgaccggac cggncatgcc cgtccggaac gtctataaga aggagaaagc tcgagtcac 60
 actgaggaag agaagaattt caaagccttc gctagtctcc gtatggcccg tgccaacgcc 120
 cggctcttcg gcatacgggc aaaaagagcc aaggaagccg cagaacagga tggtgaaaag 180
 aaaaaataaa gccctcctgg ggacttgaa tcagtcggca gacaaaaaaa aaaaaaaaaa 240
 aacaaa 246

<210> 1072
 <211> 224
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 143
 <223> n = A,T,C or G

<400> 1072
 ctgccctgac agagcgctcc ttgatgggca tggactggaa aggatcccag gaatacaaga 60
 aggcagaaaa aaaagtgttg aagatcttta aatctgacag tgaagtggct ggttacatcc 120
 ggcaagcggg tgacttccat cangtaatta ttcgaagtgaggacatatt ttaccctatg 180
 accagcctct gagagctttt gacatgatta atcgattcat ttat 224

<210> 1073
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 1073

1070 1071 1072 1073

```

ctgtagttga ctgaagtcgc taaacaggac ggatttaagt agaggtgata tgtccagtca 60
ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggt agacatcagg 120
caaagctctc catgttaata ttcattctgaa tatggataat taggggtggct agcaaaacta 180
tcactgttaa aatagtgagg atttctgtct aggccatcta tggctttcat gtcctctgca 240
gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300
g 301

```

```

<210> 1074
<211> 132
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 41, 47, 56, 69, 78, 93
<223> n = A,T,C or G

```

```

<400> 1074
caagcttttt tttttttttt tttttttttt ttcgctcaaa nactttnttt tattantaca 60
tggtctggna ttgatggnaa gggacaaatg tanttggcaa ccatgggttag catcggtatgc 120
ccatcccaat gg 132

```

```

<210> 1075
<211> 301
<212> DNA
<213> Homo sapiens

```

```

<400> 1075
ctgtagttga ctgaagtcgc taaacaggac ggatttaagt agaggtgata tgtccagtca 60
ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggt agacatcagg 120
caaagctctc catgttaata ttcattctgaa tatggataat taggggtggct agcaaaacta 180
tcactgttaa aatagtgagg atttctgtct aggccatcta tggctttcat gtcctctgca 240
gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300
g 301

```

```

<210> 1076
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<400> 1076
ctgctgggat gaatgccaaag tttttcagcc ataaggtagc gaaatctagc agaatccaga 60
ttacatccac ttccaatcac gcggtgtttg ggtaatccac ctagtttcca ggtaacatac 120
gtaagaatgt ccactgggtt ggaaaccaca attatgatgc aatcaggact gtacttgacg 180
atctgaggaa taatgaattt gaagacatta acatttctct gcaccagatt gagccgactc 240
tccccttctt gctgacggac tctgcagtt actactacaa tcttagaatt ggcggtcaca 300
gaataatctt tatctgccac aatttttaggt gtctgaagaa ataagctccc atgctgcaga 360
tccatcattt ctcttttaag cttatcttcc aaaacatcca caagagcaag ttcacagcc 420
agagactttc ccagaa 436

```

```

<210> 1077
<211> 256
<212> DNA
<213> Homo sapiens

```

<400> 1077

```

ctgaagatta ataggaaaca gtgaaaaagc aacgtcctgt gatcagtaac tttaaagaca 60
agcttggttc tctctttctg gcactactga cattcccacc attctagctt ccgaattctg 120
gaaaaagaga agatgattaa caaaaataga gaatgtagaa acttctggtt ttgtgcctac 180
aggattggca ccagaccctc agtgctcact tgtccatct acaaggcagc acccctccca 240
gaggcagcca gggaggg                                     256

```

<210> 1078

<211> 202

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 10, 26, 67, 71, 77, 84, 93, 127, 133, 144

<223> n = A,T,C or G

<400> 1078

```

ctgtgctnch caaccagatc catgtnaagt gccccgccca gagaagggag ccagggggag 60
ctgactncag ncaacancca gtgnccggat gancaccaac atgtgagggg tgaaccttgg 120
cctccangac atntgcaccc cctncccacc tccacggacc tcggacctcc aggcgggtca 180
gtgctgcctg cggcccagct aa                                     202

```

<210> 1079

<211> 170

<212> DNA

<213> Homo sapiens

<400> 1079

```

gcgcttctcg ggcaccgtca ggcttaagtc cactccccgc cctaagttct ctgtgtgtgt 60
cctgggggac cagcagcact gtgacgaggc taaggccgtg gatatcccc acatggacat 120
cgaggcgctg aaaaaactca acaagaataa aaaactggtc aagaagctgg 170

```

<210> 1080

<211> 494

<212> DNA

<213> Homo sapiens

<400> 1080

```

cctgcggcaa agagatgcgc ttattgagaa acatggctta gttataatcc ccgatggcac 60
tccaatggt gatgtcagtc atgaaccagt ggctggagcc atcactgttg tgtctcagga 120
agctgctcag gtcttgagat cagcaggaga agggccatta gatgtaaggc tacgaaaact 180
tgctggagag aaggaagaac tactgtcaca gattagaaaa ctgaagcttc agttagagga 240
ggaacgacag aaatgctcca ggaatgatgg cacagtgggt gacctggcag gactgcagaa 300
tggtcagac ttgcagttca tcgaaatgca gagagatgcc aatagacaaa ttagcgaata 360
caaatttaag ctttcaaaaag cagaacagga tataactacc ttggagcaaa gtattagccg 420
gcttgaggga caggttctga gatataaaac tgctgctgag aatgctgagg aaagttgaag 480
atgaattgaa agca                                     494

```

<210> 1081

<211> 123

<212> DNA

<213> Homo sapiens

1077
 1078
 1079
 1080
 1081

<400> 1081

```

ctgctgctat taagttgcaa gctctacagc tagctacatg actgatggat cagtttgaga 60
tttgttccct tgtcaaaagt ttaactctga tagaagggtg gcctcacatt ctgatgtttg 120
gac                                         123

```

<210> 1082

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1082

```

cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tctcctctggg 60
acagcgtttc gggagggttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

```

<210> 1083

<211> 452

<212> DNA

<213> Homo sapiens

<400> 1083

```

ctgggccacg aggacaccac cagcttggat cggcctcgcc gtgtggaata cttttagat 60
aagcaactcc aagtaaaggc tgtcacctgt gggccgtgga acaoctacgt gtatgctgtg 120
gagaaaggga agagctgaca tgtgtacgta tatgtatatg caacacctgt gagaccccca 180
ttcagggtcaa ggaaaaccat tgctgcacc ccaaggggccc catatttgcc cctccccatc 240
acagtcctgc ccttcaccct caagcacggt cctaaacttg tctgcacttt agaaacacct 300
ggagagcatt gaaaactctg ctgcctaagg tcagcatcaa tcaaaacaat gaaatcaatg 360
aaacaatgaa accagagctt ctaggtgtgt ggcttgata gtggtagatt caaagctcca 420
cccacctcat cccagggtaca tttgatgtgc ag                                         452

```

<210> 1084

<211> 301

<212> DNA

<213> Homo sapiens

<400> 1084

```

ctgtagttga ctgaagtcgc taaacaggac ggatttaagt agagggtgata tgtccagtca 60
ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggt agacatcggg 120
caaagctctc catgttaata ttcactctgaa tatggataat taggggtggct agcaaaaacta 180
tcactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtcctctgca 240
gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300
g                                         301

```

<210> 1085

<211> 369

<212> DNA

<213> Homo sapiens

<400> 1085

```

ctgtttccca tgggccacca ggcggtctcag gacagcaaac gtctcattcc ctctcaggat 60
gtacttctcc atgtcctgct cgatccactg gtacatgagg cctttcacat gcacgtctcg 120

```

1081
 1082
 1083
 1084
 1085

```
<210> 1086
<211> 316
<212> DNA
<213> Homo sapiens
```

```
<210> 1087
<211> 329
<212> DNA
<213> Homo sapiens
```

```
<210> 1088
<211> 342
<212> DNA
<213> Homo sapiens
```

```
<210> 1089
<211> 51
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 18  
<223> n = A,T,C or G
```


<400> 1089
ccttgtgttc agtctccnecg ctcttcttgc cactgttgag ggtggagatg t 51

<210> 1090
<211> 515
<212> DNA
<213> Homo sapiens

<400> 1090
cctggggagg ccctagggga gcaccgtgat ggagaggaca gagcaggggc tccagcacct 60
tctttctgga ctggcggtca cctccctgct cagtgccttg gctccacggg caggggtcag 120
agcactccct aatttatgtg ctatataaat acgtcagatg tacatagaga tctatttttt 180
ctaaaacatt cccctcccca ctctctctcc acagagtgtt ggactgttcc aggccctcca 240
gtgggctgat gctgggaccc ttaggatggg gctcccagct cctttctcct gtgaatggag 300
gcagagacct ccaataaaagt gccttctggg ctttttctaa cctttgtcct agctacctgt 360
gtactgaaat ttgggccttt ggatcgaata tggccaagag gttggagggg aggaaaatga 420
aggtctacca ggctgagggg gagggcaaag gctgacgaag agggaaaagt acagatttcc 480
tgtagcaggt gtgggcttac agacacatgg actgg 515

<210> 1091
<211> 277
<212> DNA
<213> Homo sapiens

<400> 1091
gcgtcccggg gccacgggtg gtcattggtg ccagagcgct ctgcattgtg gggctggtcc 60
tggccttgct gtccctccagc tctgctgagg agtacgtggg cctgtctgca aaccagtgtg 120
ccgtgccagc caaggacagg gtggactgcg gctaccccca tgtaaccccc aaggagtga 180
acaaccgggg ctgctgcttt gactccagga tccctggagt gccttggtgt ttcaagcccc 240
tgcaggaaagc agaatgcacc ttctgaggca cctccag 277

<210> 1092
<211> 368
<212> DNA
<213> Homo sapiens

<400> 1092
cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120
ggctcactgc aacctctgcc tcttgggctg cagtgattct cctgcgttca agtaattctc 180
ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
tttgatattt tagtagaaat ggggtttcac catgttggcg aggtggtct cgaactcctg 300
acctcaagga tcctcctgcc tcggcctcct aagggtgctg gattgcaggt gtgagccacc 360
acgtctgg 368

<210> 1093
<211> 459
<212> DNA
<213> Homo sapiens

<400> 1093
ctgtgcatgg agccatttgg atggcggcgg gcgggggggg attctctgta tcaggagtga 60
ctttgttgcc ccacacagcc tctgtctgca ggtgctttgg aaagagatgc tgccttggag 120

```

ctggtgaatc tgtggaccac attcaagggt gtggcacagg catcttccca tccttttcac 180
tccgaatcgc tggcgacaca ttctcctttc cagctaggaa agggttcctc gcggctgggt 240
tagattgtgg ttgtttgttt tgcttctact aagactgttt tgtttcaaaa aggaaacaag 300
ttttgtgttt gctgtctacg ctggagtcct gaactgtggg tagaaaacac gacctggctt 360
tgtagaaagg acacagggct gttttatgaa ctaagcgggt aggctcaggt ggcggtcttc 420
acagagcccc tgatgctgtt gttctttgag ggcttaagg 459

```

```

<210> 1094
<211> 610
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 590
<223> n = A,T,C or G

```

```

<400> 1094
ccatgcaaaa ggaggtgggt cactcagtgc agtcgctgcc acaaaaagtc cgattatattt 60
catttggtaca ggggaacata tagatgactt tgaacctttc aaaacacagc cttttattag 120
caaacttctt ggtatgggag acattgaagg actgatagat aaagtcaacg agttgaagtt 180
ggatgacaat gaagcactta tagagaagtt gaaacatggg cagtttacgt tgcgagacat 240
gtatgagcaa ttcaaaaata tcatgaaaat gggcccttcc agtcagatct tggggatgat 300
ccctgggtttt gggacagatt ttatgagcaa aggaaatgaa caggagtcaa tggcaaggct 360
aaagaaatta atgacaataa tggatagtat gaatgatcaa gaactagaca gtacggatgg 420
tgccaaagtt tttagtaaac aaccaggaag aatccaaaga gtagcaagag gatcgggtgt 480
atcaacaaga gatgttcgag aacttttgac acaatatacc aagtttgac agatggtaaa 540
aaagatggga ggtatcaaag gacttttcaa aggtgggcga catgtctaan aatgtgagcc 600
agtcacagat 610

```

```

<210> 1095
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<400> 1095
ccttatttct cttgtccttt cgtacagga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctgtt atccctaggg taacttgttc cg 232

```

```

<210> 1096
<211> 377
<212> DNA
<213> Homo sapiens

```

```

<400> 1096
ccacgctcat ggaaaccacc caaggacagc cagagtccac attccctggc aagctgggtg 60
tattcttcca aaagtttccc acccagtggt tcagacaggt gtagcgtctc tgcagggtcc 120
cgtgcaatga agtcaaatgc ctcaggcagg aaagccaggc aggcacccag tctggcagcc 180
tctcgaacca gccacgcaca tgttttaaag ttctgttgct tgtctggcgt cgatgttacc 240
tggcacacag ccaccagggg cagttcgcag gaggaagagg agatagccat ggctctgggc 300
ctgggctgag caciaagtac tgagagttga ggtatccgga gtccaggaca cagaaggagc 360
aggaatctgt gaggagg 377

```

<210> 1097
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 1097
 ccacgccatg gggctggagc actcccaaga ccctggggcc ctgatggcac ccatttacac 60
 ctacaccaag aacttccgtc tgtcccagga tgacatcaag ggcatcagg agctctatgg 120
 ggcctctcct gacattgacc ttggcaccgg cccaccccc acactgggccc ctgtcactcc 180
 tgagatctgc aaacaggaca ttgtatttga tggcatcgct cagatccgtg gtgagatctt 240
 cttcttcaag gaccgggttca tttggcggac tgtgacgcca cgtgacaagc ccatggggcc 300
 cctgctgggtg g 311

<210> 1098
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 1098
 ccacccacgc ttaggttccc atcacactga tgactccggg tttggcgagc acaggagcgc 60
 aaaccttttc acattctttc tgtgatccaa atttgttttc gtttccacca caacctccat 120
 accagaatct tgcacagctt ttgggtgttg gatcatagta ccattttaat atgaaatccc 180
 tgcaagttcc ttcgtctttc ggcaacttgc atatatctgt ttcagtgaga gccaatgggt 240
 ctgtgctcac cattagattg atggttgaac tagaagctga ccttgctggc tgtggaggtg 300
 ggggctgaga tttcttttga ctgaaacttc cgtggtaggt ggctctgacc tgagacctca 360
 ggtagcagac cacagccaca tggatatgtct gccagcgag cagg 404

<210> 1099
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 1099
 ccatgggatg gctctttctga ccattggggg ccaggccagg ccaggccagg cttagggtag 60
 caaggaccag gccaaagggg cagggcctcc tttggagggg ttgaggggta catcctcggc 120
 tgggtgtttg atccaggggt ccagcaggat ctcttccagt gagggtcggg aagaaggttt 180
 gggggccagg caccggcgga ttagggcaca gcagtctggg gagacatggg ctgggaagtg 240
 gagctcagct tccagaatct cctggtccct ctcaaaggga atgtccccac acaccatgtc 300
 atagaggagg atgcccagtg accagacagt ggccgggagt gcatgggtact ggtgtcgaga 360
 gatccactct ggggggctgt acacccttgt cccatcaaag tcagtgtagg gttcatcatg 420
 aagcagggca ccaggaacca aa 442

<210> 1100
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 1100
 ccacgaaaat caatgagaag ccacaggtga tcgcggacta tgagagcgga cggggcatac 60
 ccaataacca ggtgcttggc aaaatcgagc gggccattgg cctcaagctc cggggaaagg 120
 acattggaaa gcccatcgag aaggggccta gggcgaaatg aacacaaagc ctcgaaatca 180
 gtgcgtcca g 191

<210> 1101
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 1101
 cgggtacttt ggtggacatg aaggaactgg gcatatggga gccattggct gtgaagctgc 60
 agacttataa gacagcagtg gagacggcag ttctgctact gcgaattgat gacatcgttt 120
 caggccacaa aaagaaaggg gatgaccaga gccggcaagg cggggctcct gatgctgg 178

<210> 1102
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 1102
 agccaggcta gtgacagaaa tggattcgaa atatcagtgt gtgaagctga atgatgggtca 60
 cttcatgcct gtcctgggat ttggcaccta tgcgcctgca gaggttccta aaagtaaagc 120
 tttagaggcc accaaattgg caattgaagc tggcttccgc catattgatt ctgctcattt 180
 atacaataat gaggagcagg ttggactgg 209

<210> 1103
 <211> 396
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 351
 <223> n = A,T,C or G

<400> 1103
 ctatagggct cgagggccgc ccgggcaggt ggtgcctcta atactgggtga tgctagaggt 60
 gatgtttttg gtaaacaggc ggggtaagat ttgccgagtt ccttttactt tttttaacct 120
 ttccttatga gcatgcctgt gttgggttga cagtgggggt aataatgact tgttggttga 180
 ttgtagatat tgggctgtta attgtcagtt cagcgtttta atctgacgca ggcttatgca 240
 gaggagaatg ttttcatgtt acttatacta acattagttc ttctataggg tgatagattg 300
 gtccaattgg gtgtgaggag ttcagttata tgtttgggat tttttaggta ntgggtgttg 360
 agcttgaacg ctttcttaat tgggtggctgc tttagg 396

<210> 1104
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 224, 226, 302
 <223> n = A,T,C or G

<400> 1104
 ctgctgatac ccaggcagta gctgatgctg tcacctacca gctcgggtttc cacagcattg 60
 aactgaatga gcctccactg gtccacacag cagccagcct ctttaaggag atgtgttacc 120
 gataccggga agacctgatg gcgggaatca tcatcgcagg ctgggaccct caagaaggag 180

ggcagggtgta ctcagtgcct atgggggggta tgatggtaag gcantncttt gccattggag 240
 gctccgggag ctctacatc tatggctatg ttgatgctac ctaccgggaa ggcatgacca 300
 angaagagtg tctgcaattc actgccaatg ctctcgcttt gg 342

<210> 1105
 <211> 551
 <212> DNA
 <213> Homo sapiens

<400> 1105
 ctggggccac tgtcggcatc atgattggag tgctggttgg ggttgctctg atatagcagc 60
 cctggtgtag tttcttcatt tcaggaagac tgacagtgtt tttgcttctt ccttaaagca 120
 tttgcaacag ctacagtcta aaattgcttc tttaccaagg atatttacgg aaaagactct 180
 gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccatctctac taaaaatata 240
 gaaatttagct ggacatggtg gcatgtgcct gtaatccag ctactcagga ggctgaggca 300
 ggagaactgc ttgaacaggg acccgggagg cggagattgg agtgagccga gatcgcgcca 360
 ctgcactcca gtctgggcta cacagtgaga ctctgtctca agaaaaataa acagaagaat 420
 tggggggttg ggggtgggaaa cagtgtttcc aggcagagag aacagcacgt acaaaggaga 480
 ctgttgggag ggttaaataa aataattcat gtaagggtact tagtaccaca catgaatttc 540
 acaagcagca g 551

<210> 1106
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 1106
 ctgctcttca cacagggttc tggggaaaac aaggaagaga tcatcaatta tgaatttgac 60
 accaaggacc tgggtgtgcct gggcctgagc agcatcggtg gcgtctggtt cctgctgagg 120
 aagcactgga ttgccaacaa cttttttggc ctggccttct cccttaattg agtagggctc 180
 ctgcacctca acaatgtcag cactggctgc atcctgctgg gcggactctt catctacgat 240
 gtcttctggt tatttggcac caatgtgatg gtgacagtgg 280

<210> 1107
 <211> 570
 <212> DNA
 <213> Homo sapiens

<400> 1107
 ctgattagtg tctaaggaat ggtccaatac tgttgccctt ttccttgact attacactgc 60
 ctggaggata gcagagaagc ctgtctgtac ttcattcaaa aagccaaaat agagagtata 120
 cagtcctaga gaattcctct atttggtcag atctcataga tgacccccag gtattgtctt 180
 ttgacatcca gcagtccaag gtattgagac atattactgg aagtaagaaa tattactata 240
 attgagaact acagctttta agattgtact tttatcttaa aaggggtggt gttttcccta 300
 aaatacttat tatgtaaggg tcattagaca aatgtcttga agtagacatg gaatttatga 360
 atggttcttt atcattttct tcccccttt ttggcatcct ggcttgctc cagtttttag 420
 tcttttagtt tgcttctgta agcaacggga acacctgctg agggggctct ttcctcatg 480
 tatacttcaa gtaagatcaa gaatcttttg tgaaattata gaaatttact atgtaaattgc 540
 ttgatggaat tttttcctgc tagtgtagct 570

<210> 1108
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 1108

```

ctgttcctgc ggtgacactg tataaacacg atgaccctgc cttgacttta gttgctggtc 60
ttacatcaaa taagcccaca gacaaactcc gtgccctgcc tctgtgggta tctttacaat 120
acttgggact tgatgggttt gtggagagga tcaagcatgc ctgtcaactg agtcaacggc 180
tgcaggaaaag tttgaagaaa gtgaattaca tcaaaatctt ggtggaagat gagctcagct 240
ccccagtggg ggtgttcaga tttttccagg aattaccagg ctcatatccg gtgtttaaag 300
ccgtcccagt gcccacatg acaccttcag gagtcggccg ggagaggcac tcgtgtgacg 360
cgctgaatcg ctggctggga gaacag                                     386

```

<210> 1109

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1109

```

ctctggtctg taaccagtct cttcaaggca ttatctcctg gggccaggat ccgtgtgcga 60
tcaccgaaa gcttgggtgc tacacgaaaag tctgcaaata tgtggactgg atccaggaga 120
cgatgaagaa caattagact ggaccacccc accacagccc atcaccctcc atttccactt 180
ggtgtttggg tcctgttcac tctgttaata agaaacccta agccaagacc ctctacgaac 240
attctttggg cctcctggac tacaggagat gctgtcactt aataatcaac ctgggggttcg 300
aaatcagtga gacctggatt caaattctgc cttgaaatat tgtgactctg ggaatgacaa 360
cacctggttt gttctctgtt gtatccccag ccccaaagac agctcctgg                                     409

```

<210> 1110

<211> 215

<212> DNA

<213> Homo sapiens

<400> 1110

```

ccattttgga gtgtgtccat tgggtagcaa tgtggaaacc accagggcct ttgtggagaa 60
aatggagggg gttgagggag tcccaggagg ggcttatttg agggcctttg ccacttgctc 120
ataggcgagc tcgatctcct catcatctgg acaggtggaa gcgaattctt cccgggcgta 180
ggcattgctc aagtaccgat gcactccccg gaagg                                     215

```

<210> 1111

<211> 308

<212> DNA

<213> Homo sapiens

<400> 1111

```

cctgggcccc ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttatttactg agatggagtc ttgctctgtc acccaggctg gaggcagtg gtgcaatctc 120
ggctcactgc aacctctgcc tcctgggctg cagtgattct cctgcgttca agtaattctc 180
ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
tttgatttt tagtagaaat ggggtttcac catgttggcg aggctggctc cgaactcctg 300
acctcaag                                     308

```

<210> 1112

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1112

```

cacttggtc cctgggccag ggcctcgggg ccgcttggtg gatggcctac accggcaaat 60
acttcgacaa ggccagctac cgagtctatt gcttgctggg agacggggag ctgtcagagg 120
gctctgtatg ggaggccatg gccttcgcca gcatctataa gctggacaac cttgtgg 177

```

```

<210> 1113
<211> 646
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 529, 580, 622
<223> n = A,T,C or G

```

```

<400> 1113
ccccaccatg gacacacttt gctacacact cctgctgctg accacccctt cctgggtctt 60
gtcccaggtc accttgaagg agtctggtcc tgtactggtg aaaccacag agaccctcac 120
gctgacctgc accgtctctg ggttttcact cagtaatat agagtgggtg tgagttggat 180
ccgtcagccc ccagggaagg ccctggagtg gtttgcatac attttttoga ctgacgaaaa 240
atccttcaat tcctctctga agaacaggct caccatctcc aaggacacct ctaaaagcca 300
ggtggtcctt agcatgacca acatggaccc tgtggacaca gccacatatt actgtgcacg 360
gctctctatt tacttcgggg agttagaaac ctaccaatac atggacgtct ggggcaaagg 420
gaccaccgcc accgtctcct cagcatcccc gaccagcccc aaggctcttc cgctgagcct 480
ctgcagcacc cagccagatg ggaacgtggt catcgctgc ctggtccang gcttcttccc 540
ccaggagcca ctcatgtgtg cctggagcga aagcggacan ggcgtgaccg ccagaaactt 600
ccccaccag ccaggatgcc tncggggacc tgtacaccac gagcag 646

```

```

<210> 1114
<211> 420
<212> DNA
<213> Homo sapiens

```

```

<400> 1114
tgttgtttta ctcacctaac ccttagaaaa tgaatgttag aagggtgctg ccgaggcggg 60
acagagtgtt cgctcgcgct ggagaaggct ctgctcagcc ctgagagtcc ctctctgccc 120
caccgatact ggcactttta aaaggaagct gaccgcacag tgtccagacg aattggcccc 180
cagaagatgg ggagttctgt cctgcccttc tgtgtctgcg tgacctcacc cagcctagga 240
gggaggtgca ttcagggtag atttgcctct cattcaaagt tctggggctt tgggtggaaa 300
acagccagct ttggcgctgt tggggagact cctccagacc aggaaccca gaaggagaca 360
gagcctgcca catcctccca cgccaggccc tgggcccagg tgattggact gagaatttgg 420

```

```

<210> 1115
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<400> 1115
ctgaaagttt ctaaaataga aacctggtgc atatggcccc aaaacaccac atgctttgat 60
tacactcagg gagcatgagt tgcctatttg ggtgagaaaa tcccatgtta cagtgcgac 120
gctgggcacg ttttgagta attccagcca ctgctatgta agtgttttta attcaggggt 180
gtcttctacg ttttcatctt ctgaatatct tgtgacggtg caggtttgag caaaactggc 240
atgaaatgag agctgtttta gatgaagatt gcaagatgga tggcttggcc cacagtggca 300
gtgggttggg ggtggaatgt ggacaattag gaaaaaggca tgtcattcta tctggctcct 360

```

ggagaggcag atagtcctgg gggctttggt gtcacagttc ccaaaagcaa ggttgg 416

<210> 1116

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1116

```
ccttatttct cttgtccttt cgtacagga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctggt atccctaggg taacttggtc cgttgggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggagggt gggttctgct ccgaggtcgc cccaaccgaa aatttttaat gcaggccttg 360
tagtttagga cctgtggggt tg 382
```

<210> 1117

<211> 370

<212> DNA

<213> Homo sapiens

<400> 1117

```
ctgcgtgtct gaaaacccaa gatttaaaac atagtaatta ttgaacctca gaagaaaaac 60
tcagattgaa agagcttaga ataagaccct ttttgagttg agaaagggtga gtacttagat 120
ttttcatttg ctttgtttgg gattacttac atcagtattt tatgttgatc agaaagaaaag 180
gattcaatta gctattgttc ggtaataaaa aatgtcagcc actgtaggag taagttggat 240
gtccagcctt ttttagattgc ttaacttgga aacactggac tgggagcggg ggctcatgcc 300
tgtgatccca gcactctggg aggccaaggc aggcagatca ctggagggtca ggagtttgag 360
accaacctgg 370
```

<210> 1118

<211> 494

<212> DNA

<213> Homo sapiens

<400> 1118

```
ctgtctctta cttttaacca gtgaaattga cctgcccggt aagaggcggg cataacacag 60
caagacgaga agaccctatg gagctttaat ttattaatgc aaacagtacc tgacaaaccc 120
acaggtccta aactaccaga cctgcattaa aaatttcggt tggggcgacc tcggagcaga 180
acccaacctc cgagcagtac atgctaagac ttcaccagtc aaagcgaact actatactca 240
attgatccaa taacttgacc aacggaacaa gttaccctag ggataacagc gcaatcctat 300
tctagagtcc atatcaacaa tagggtttac gacctcgatg ttggatcagg acatcccgat 360
gggtgcagcg ctattaaagg ttcggttggt caacgattaa agtcctacgt gatctgagtt 420
cagaccggag taatccaggt cggtttctat ctacttcaaa ttcctccctg tacgaaagga 480
caagagaaat aagg 494
```

<210> 1119

<211> 407

<212> DNA

<213> Homo sapiens

<400> 1119

```
ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
```



```

ggagacgatg tcatcatcat cgggggtcttt aaggggggaga gtgacccagc ctaccagcaa 180
taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240
gaaatagcaa agttcttgaa agtctcccag gggcagtcgg ttgtaatgca gcctgagaaa 300
ttccagtcca agtatgagcc ccggagccac atgatggacg tccagggctc caccaggagc 360
tcggccatca aggacttcgt gctgaagtac gcctgcccc tggttg 407

```

```

<210> 1120
<211> 548
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 513
<223> n = A,T,C or G

```

```

<400> 1120
ccccagagga ccggttgagc ccagtggacc tcctggcaaa gatggaacca gtggacatcc 60
agggtccatt ggaccaccag ggccctcgagg taacagagggt gaaagaggat ctgagggctc 120
cccaggccac ccagggcaac caggccctcc tggacctcct ggtgcccctg gtccttgctg 180
tggtggtggt ggagccgctg ccattgctgg gattggagggt gaaaaagctg gcggttttgc 240
cccgtattat ggagatgaac caatggattt caaaatcaac accgatgaga ttatggcttc 300
actcaagtct gttaatggac aaatagaaa gctcattagt cctgatgggt ctcgtaaaaa 360
cccagctaga aactgcagag acctgaaatt ctgccatcct gaactcaaga gtggagaata 420
ctgggttgac cctaaccaag gatgcaaatt ggatgctatc aaggatttct gtaatatgga 480
aactggggaa acatgcataa gtgccaatcc ttngaattgt ccacggaaac actggtggac 540
agattcta 548

```

```

<210> 1121
<211> 278
<212> DNA
<213> Homo sapiens

```

```

<400> 1121
cggccgagggt ccgccatggc gtgtgctcgc ccactgatat cgggtgtactc cgaaaagggg 60
gagtcacatct gcaaaaatgt cactttgcct gctgtattca aggctcctat tcgaccagat 120
attgtgaact ttgtttacac caacttgccg aaaaacaaca gacagcccta tgctgtcagt 180
gaattagcag gtcacacagac tagtgctgag tcttggggta ctggcagagc tgtggctcga 240
attcccagag ttcgaggtgg tgggactcac cgctctgg 278

```

```

<210> 1122
<211> 591
<212> DNA
<213> Homo sapiens

```

```

<400> 1122
ctgcagcggc agaggcagca tccagcggcg gcgccagcag ttccagtcgg ttgctttact 60
ttttgcttca ccgacatagt cattatgccg aagagaaagt ctccagagaa tacagagggc 120
aaagatggat ccaaagtaac taaacaggag ccacaaagac ggtctgccag attgtcagcg 180
aaacctgctc caccaaaacc tgaacccaaa ccaagaaaaa catctgctaa gaaagaacct 240
ggagcaaaga ttagcagagg tgctaaaggg aagaaggagg aaaagcagga agctggaaag 300
gaaggcacag aaaactgaat ctgtagataa cgagggagaa tgaattgtca tgaaaaattg 360
gggttgattt tatgtatctc ttgggacaac ttttaaaagc tatttttacc aagtattttg 420
taaagtctaa ttttttagga ctctactagt tggcatacga aaatatataa ggatggacat 480

```

tttatcgtct catagtcatg ctttttggaa atttacatca tcttcaagta aaataaatat 540
cagttaaata ttggaagctg tgtgtaagat tgattcagca ttccatgcac t 591

<210> 1123
<211> 454
<212> DNA
<213> Homo sapiens

<400> 1123
ccaattgaaa caaacagttc tgagaccgtt cttccactac tgattaagag tgggggtggca 60
gggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctt tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccag 454

<210> 1124
<211> 219
<212> DNA
<213> Homo sapiens

<400> 1124
cctgctccag agcacggctg accattttctg ctccgggatc tcagctcccg ttccccaagc 60
acactcctag ctgctccagt ctacagcctg gcagcttccc cctgcctttt gcacgtttgc 120
atccccagca tttcctgagt tataaggcca caggagtgga tagctgtttt cacctaaagg 180
aaaagccac ccgaatcttg tagaaatatt caaactaat 219

<210> 1125
<211> 246
<212> DNA
<213> Homo sapiens

<400> 1125
ccagagctgg gcccaagctg cgctggaatc gcagcaggag aggggagtgg gctggttctt 60
cccaccactt ccaggtctct gacagccgag actcatttcc aaggcacagc agctttctaa 120
agggactgag tttggactgg gttttggacc tccaggggct ggagcttcat cacctgggca 180
gtgtcttttc tcagagagca ggtttcttta tagtttgga ataaatgggt cacggttcaa 240
aagaaa 246

<210> 1126
<211> 227
<212> DNA
<213> Homo sapiens

<400> 1126
ccattgttcc cgtgcatcga agcttgcagg cagcttcagg tcttcggtaa acataactct 60
ctgggggtggc ttgggcccac ccaggaaggt accacatagc ctcttcaagt agctcatgtc 120
cacgtttaga aagttgtggc cggcctgccg cgtgggtattc cgtttgttga catagttgac 180
cagctcatcc gacaggggat ggaaagaggg cctgctccgg gcattgg 227

<210> 1127
<211> 377

<212> DNA
<213> Homo sapiens

<400> 1127
cctgccgtcg atgccaggga ggccgacagg accttctttt ccagcggggc cgatatttcc 60
aggggaacca ggaagacctc tgggtcccat gagaccaggc tccccagggc gaccagcatc 120
tccattaggt cctcggactc cagcaggggc acttgcacca cgactaccag gagggcccat 180
gacgccagct ctgccatcag ctccaggaag accacgagaa ccaggactac ctctcagccc 240
aggaggtcct ggagggcccg cagatccagc ttccccatta gggcctctct ttccttcttc 300
accactggga ccaggaggac cttggggccc agcagagccg ggctcaccct tgttaccgct 360
ctctcctttg gagccag 377

<210> 1128
<211> 253
<212> DNA
<213> Homo sapiens

<400> 1128
gagagctatt gctttgttaa gatataaaaa ggggtttctt tttgtcttcc tgtaagggtg 60
acttcagct tttgattgaa agtcctaggg tgattctatt tctgctgtga tttatctgct 120
gaaagctcag ctgggggtgt gcaagctagg gaccattcc tgtgtaatac aatgtctgca 180
ccaatgctaa taaagtctta ttctctttta tgagaaagaa aaagacactg tccttttaaag 240
tgctgcagta tgg 253

<210> 1129
<211> 314
<212> DNA
<213> Homo sapiens

<400> 1129
ccaagagcta caatgagcag cgcacagac agaacgtgca ggtgtttgaa ttccagttga 60
cttcagagga gatgaaagcc atagatggcc taaacagaaa tgtgcgatat ttgacccttg 120
atatttttgc tggcccccca attatccatt ttctgatgaa tattaacatg gagggcattg 180
catgaggtct accagaaggc cctgcgtgtg gatgggtgaca cagaggatgg ctctatgctg 240
gtgactggac acatcgctc tggttaaatc tctcctgctt ggtgatttca gcaagctaca 300
gcaaagccca ttgg 314

<210> 1130
<211> 239
<212> DNA
<213> Homo sapiens

<400> 1130
ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagtcag 60
cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat 120
aggtgccaaa tcccaggaca ggcataaggt gaccatcatt cagcttcaca cactgatatt 180
tcgaatccat ttctgtcact agcctggcta gcaaatgttt ctctctccct cacaggcta 239

<210> 1131
<211> 402
<212> DNA
<213> Homo sapiens

<400> 1131

```

aaggagtcct gcttatcaca atgaatgttc tcctgggcag cgttgtgatc tttgccacct 60
tcgtgacttt atgcaatgca tcatgctatt tcatacctaa tgaggaggatt ccaggagatt 120
caaccaggaa atgcatggat ctcaaaggaa acaaacaccc aataaactcg gaggggcaga 180
ctgacaactg tgagacatgc acttgctacg aaacagaaat ttcatgttgc acccttggtt 240
ctacacctgt gggttatgac aaagacaact gccaaagaat cttcaagaag gaggactgca 300
agtatatcgt ggtggagaag aaggacccaa aaaagacctg ttctgtcagt gaatggataa 360
tctaattgtgc ttctagtagg cacagggctc ccaggccagg ac 402

```

<210> 1132

<211> 304

<212> DNA

<213> Homo sapiens

<400> 1132

```

ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60
gaaaaacaat gacttggggc aattacacga ctgcaaagct agagctgcca acagggtccc 120
agggagcttg gcttctgtag aagttctaag gaagcggtag gaactccacg gcggtggggc 180
gctaactagc agggacccct gcaagtgttg gtcggggggc tcgagctgcc tgagctgaca 240
cgaggggagg ggtctgtgta gccaacagggt gaccgaaggg cttgcctgcc cacagcttac 300
ttgg 304

```

<210> 1133

<211> 224

<212> DNA

<213> Homo sapiens

<400> 1133

```

ctgacatttt ctatagtaga tatggaggag gtccaagact aactgtgaaa gccctgtgta 60
aggaatgtgt agtagaacgt tgctgcatat tgcgtctgaa gaaccaacta aatgaagatt 120
ataaaaactgt taataatctg ctgaaagcag cagtaaaggg cagcgatgga ttttgggtgg 180
ggaagtccct cttgcggagt tggcgccagc tagctcttga acag 224

```

<210> 1134

<211> 250

<212> DNA

<213> Homo sapiens

<400> 1134

```

cctactctgc tgagggtggc cttcctgcta agggcccttc tctgcccttt ctgccctcct 60
tcccatccca catgctgagc cgccacaaag accaaagaag tgatggcttt tctctgtccc 120
ctgctgctct gaggggagag ggggtgggtct cctgagccac tcagatggga aagtccctta 180
ctcggccctt ccttccccag cagccccaag ctttacactg gatgcagcga tcaaccacc 240
actcaccagg 250

```

<210> 1135

<211> 315

<212> DNA

<213> Homo sapiens

<400> 1135

```

ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60
atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggccttc 120
tggtagacct catgcaatgc cctccatgtt aatattcatc agaaaatgga taattagggg 180
ggccagcaaa aatatcaagg gtcaaatatc gcacatttct gtttaggcca tctatggctt 240

```

tcatctcctc tgaagtcaac tggaattcaa acacctgcac gttccgtctg atgcgctgct 300
cattgtagct cttgg 315

<210> 1136
<211> 377
<212> DNA
<213> Homo sapiens

<400> 1136
cctgccgtcg atgccaggga ggccgacagg accttctttt ccagcggggc cgatatttcc 60
aggggaacca ggaagacctc tgggtcccat gagaccaggc tccccagggc gaccagcatc 120
tccattagggt cctcggactc cagcagggcc acttgcacca cgactaccag gagggcccat 180
gacgccagct ctgccatcag ctccaggaag accacgagaa ccaggactac ctctcagccc 240
aggaggtcct ggagggcccg cagatccagc ttccccatta gggcctctct ttccttcttc 300
accactggga ccaggaggac cttggggccc agcagagccg ggctcaccct tgttaccgct 360
ctctcctttg gagccag 377

<210> 1137
<211> 250
<212> DNA
<213> Homo sapiens

<400> 1137
ctgttcaact tccaactcta aataggcacc attaaacaaa aaaccccagt attttaaatt 60
tctccagcac acattccagg atcaatgctc tgaactgtaa tcagctagta attcataacg 120
ggaatacagc cttagaatgg aagctatatt gcttccctgc cccctttctc ttacaattgg 180
agagtgtagg tattaaggga tacaaagtca gaggaagaat aattaaaaag aaaaatgcc 240
aaagctgcag 250

<210> 1138
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 431
<223> n = A,T,C or G

<400> 1138
tcgaccagggt cctcctgggc catctggtcc ccgagggtcag cctggtgtca tgggcttccc 60
cggtcctaaa ggaaatgatg gtgctcctgg taagaatgga gaacgagggtg gccctggagg 120
acctggccct cagggctctc ctggaaagaa tggtgaaact ggacctcagg gacccccagg 180
gcctactggg cctggtggtg acaaaggaga cacaggaccc cctggtccac aaggattaca 240
aggcttgctt ggtacagggt gtccctcagg agaaaatgga aaacctgggg aaccagggtcc 300
aaagggatgat gccggtgcac ctggagctcc aggaggcaag ggtgatgctg gtgcccctgg 360
tgaacgtgga cctcctggat tggcaggggc cccaggactt agagggtggag ctgggtcccc 420
tgggtccgaa ngaggaaagg gtgctgctgg tcctcctggg ccacctgggt ctgctggtac 480
tcctggtctg caaggaatgc ctggagaaag a 511

<210> 1139
<211> 505
<212> DNA
<213> Homo sapiens

<400> 1139

```

ctgtggactc cagcatgttt ctgataatta tgcaagcaac aattctgtag cctcaagtaa 60
gaccacctgt gaacttgatc attatctggc ccaaatatga agataaacta taactttgga 120
gtttgtttcc tatttgtatt cacattctgc ttcctaaatc agttttctaa attgtgcctg 180
caattaggca ttggtcaggg gtgaatggct cttttcacag agagtagcca accagagacc 240
tttgctttga tatcatcaac tgcagagaat gctgttgatg ggaatgctgg aagcagaaac 300
tttgtcatcg gaaaaacttt tcttgtatgc atgagactca acatcaggat ccacagctta 360
aagatgggaa ttcaggtatg aaagaaaaca ggcaaggagg cactgaggga gaaagacaca 420
gactttatcg ctctgtggct cattgttact ggaatattct aaaactcttg ttcacatgct 480
attatgactt ataaagcagc aacag                                     505

```

<210> 1140

<211> 256

<212> DNA

<213> Homo sapiens

<400> 1140

```

ctgtagcttc tgtgggactt ccactgctcg ggcgtcaggc tcaggtagct gctggccgcg 60
tacttgttgt tgcctgtgtt ggagggtttg gtggtctcca ctccgcctt gacggggctg 120
ccatctgctt tccaggccac tgtcacagct cccgggtaga agtcactgat cagacacact 180
agtgtggcct tgttggcctt gagctcctca gaggaggcg ggaacagagt gacagtgggg 240
ttggccttgg gctgac                                     256

```

<210> 1141

<211> 371

<212> DNA

<213> Homo sapiens

<400> 1141

```

ccaggggccc attctgtctg tgggactgtg ggctctcagt ggaattgttg cctttcttgt 60
cgtggagaaa tttgtgagac atgtgaaagg aggacatggt cacagtcatg gacatggaca 120
cgctcacagt catgcacgtg gaagtcatgg acatggaaga caagagcgtt ctaccaagga 180
gaagcagagc tcagaggaag aagaaaagga aacaagaggg gttcagaaga ggcgaggagg 240
gagcacagta cccaaagatg ggccagttag acctcagaac gctgaagaag aaaaaagagg 300
cttagacctg cgtgtgtcgg ggtacctgaa tctggctgct gacttggcac acaacttcac 360
tgatggtctg g                                     371

```

<210> 1142

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 292

<223> n = A,T,C or G

<400> 1142

```

cctccacac tgtcaaagt caactccacc agcactgaga caatgagtag atgagaatgt 60
agaaagaggg aaggtggtag gtaaaggagc ggaaggaaga ggtggggaaa gagggaaggt 120
ggtaggtaaa ggagcggaag gaagaggtgg ggaaagaggg aaggagagaa gggaaggagg 180
gaagagaaag aaggaagaaa aggaaagcat ggcccggcta gagacaaagc cagaggtgat 240
caggtcagca gcaggagagg ctgagaaggg agcctctcgg gaagtgcagg cngccatgag 300

```

ggctcgtttc ag

312

<210> 1143

<211> 367

<212> DNA

<213> Homo sapiens

<400> 1143

```
ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
cttgagggtca ggagttcgag accagcctcg ccaacatggg gaaaccccat ttctactaaa 120
atacaaaaaa ttagccaagt gtggtggcat atgcctgtaa tcccaactac tcagaaggcc 180
gaggcaggag aattacttga acgcaggaga atcactgcag ccaggagggc agagggttgc 240
gtgagccgag attgcaccac tgcactccag cctgggtgac tgagcaagac tccatctcag 300
taaataaata aataaataaa aagcgctgca gtagctgtgg cctcacctg aagtcagcgg 360
gccagg
```

<210> 1144

<211> 159

<212> DNA

<213> Homo sapiens

<400> 1144

```
cctggaggag cggccgcaca cacagccagg cgctaggctc cctgcgggac ctcggaaggg 60
gggaagagcg tcaacgattt acggagggtc cagccgctgg gtcagattga gacaaacat 120
tgtgtggttg gggtcgggtc agcaggctgg agagggttc 159
```

<210> 1145

<211> 450

<212> DNA

<213> Homo sapiens

<400> 1145

```
ccatgggtgt ctggagcacc ctgaaactgt atcaaagttg tacatatattc caaacatttt 60
taaaatgaaa aggcactctc gtgttctcct cactctgtgc actttgctgt tgggtgtgaca 120
aggcatttaa agatgtttct ggcattttct ttttatattg aagggtggtg taactatggg 180
tattggctag aaatcctgag ttttcaactg tatatatcta tagtttgtaa aaagaacaaa 240
acaaccgaga caaaccttg atgctccttg ctggcggttg aggctgtggg gaagatgcct 300
tttgggagag gctgtagctc agggcggtgca ctgtgaggct ggacctgttg actctgcagg 360
gggcatccat ttagcttcag gttgtcttgt ttctgtatat agtgacatag cattctgctg 420
ccatcttagc tgttgacaaa ggggggtcag 450
```

<210> 1146

<211> 324

<212> DNA

<213> Homo sapiens

<400> 1146

```
ccatacaggg ctgttgccca ggccctagag gtcattcctc gtaccctgat ccagaactgt 60
ggggccagca ccatccgtct acttacctcc cttcgggcca agcacacca ggagaactgt 120
gagacctggg gtgtaaatgg tgagacgggt actttgggtg acatgaagga actgggcata 180
tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300
caaggcgggg ctctgatgc tgga 324
```

<210> 1147
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 1147
 ccacgaaaat caatgagaag ccacaggtga tcgcggaacta tgagagcgga cggggccatac 60
 ccaataacca ggtgcttggc aaaatcgagc gggccattgg cctcaagctc cggggaaagg 120
 acattggaaa gcccatcgag aaggggccta gggcgaaatg aacacaaagc ctcgaaatca 180
 gtgtgctcca g 191

<210> 1148
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 1148
 ctgtccaatg acaacaggac cctcactcta ctcaagtgtca caaggaatga tgtaggaccc 60
 tatgagtgtg gaatccagaa cgaattaaagt gttgaccaca gcgaccaggt catcctgaat 120
 gtcctctatg gccagacga cccaccatt tccccctcat acacctatta ccgtccaggg 180
 gtgaacctca gcctctcctg ccatgcagcc tctaaccacac ctgcacagta ttcttggtctg 240
 attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag 300
 aacagcggac tctatacctg ccaggccaat aactcagcca gtgg 344

<210> 1149
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 1149
 ctgaccact cactgggcgg gggcacaggc tctggaatgg gcactctcct tatcagcaag 60
 atccgagaag aataccctga tcgcatcatg aataccttca gtgtggtgcc ttcacccaaa 120
 gtgtctgaca ccgtggtcga gccctacaat gccaccctct ccgtccatca gttggtagag 180
 aatactgatg agacctattg cattgacaac gaggccctct atgatatctg cttccgcact 240
 ctgaagctga ccacaccaac ctacggggat ctgaaccacc ttgtctcagc caccatgagt 300
 ggtgtcacca cctgcctccg tttccctgg 329

<210> 1150
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 1150
 ccagttatatt gcaagtggta agagcctatt taccataaat aatactaaga accaactcaa 60
 gtcaaacctt aatgccattg ttattgtgaa ttaggattaa gtagtaattt tcagaattca 120
 cattaacttg attttaaaat cagttttgtg agtcatttac cacaagctaa atgtgtacac 180
 tatgataaaa acaaccattg tattcctggt tttctaaaca gtcctaattt ctaacactgt 240
 atatatcctt cgacatcaat gaactttgtt ttcttttact ccagtaataa agtaggcaca 300
 gatctgtcca caacaaactt gccctctcat gccttgctc tcaccatgct ctgctccagg 360
 tcagccccct tttggcctgt ttgttttgtc aaaaacctaa tctgct 406

<210> 1151
 <211> 346
 <212> DNA

<213> Homo sapiens

<400> 1151

```
ctgCGtgagt accaggagct gatgaacgtc aagctggccc tggacatcga gatcgccacc 60
tacaggaagc tgctggaggg cgaggagagc cggctggagt ctgggatgca gaacatgagt 120
attcatacga agaccaccag cggctatgca ggtggtctga gctcggccta tgggggcctc 180
acaagccccg gcctcagcta cagcctgggc tccagctttg gctctggcgc gggctccagc 240
tccttcagcc gcaccagctc ctccagggcc gtggttgtga agaagatcga gacacgtgat 300
gggaagctgg tgtctgagtc ctctgacgtc ctgccccagt gaacag 346
```

<210> 1152

<211> 427

<212> DNA

<213> Homo sapiens

<400> 1152

```
ctggactgct gtacatcaag gacagattaa ctggaaaaca tatgttcctt atgcgtgata 60
gagagccatt cagaaaagac ttcctttgtg ttcagcctat acttttccat atggtataacc 120
ttgaaaaaaa ttagcacacc atggttattt ttctaccttt tataaaagac agagcctgtt 180
tactcattta gaagatagag aaaattggtc taaaattgaa catcctagat tcacactccc 240
aagtcactta aggtgatttg atggtgagga aaatgattga cagagcccaa caatgatctc 300
aggaattaca ttttccaaca gaccaaaaaa tgttttcatg tagcagcaat gcagatttgg 360
tgaatattta atatatattt tagtatgtat ttcactttat gactgacaat taaaaaatat 420
tgtttgg 427
```

<210> 1153

<211> 331

<212> DNA

<213> Homo sapiens

<400> 1153

```
ctggccggcg gtgcagatct ggagtccagc ctcaggggatg cgctactttc cattctctgc 60
attgaacatt cgttctgtca gcatccgctc cagcttcact gcatcagcgg caaacttgcg 120
gatcccgta gagagcttct ccacagccat ctggtcctcg ttgtgcaacc aacggaaaaga 180
cttctcatcc aggtggattt tttccaggtc actggcttgg gctggggggac aagaaccagc 240
cttccatgcc tgtccatgt cctgcccac cttggcccct tgggctcagg gcctgaaccg 300
ctgcacccaa gcatctccca ccagggccag g 331
```

<210> 1154

<211> 403

<212> DNA

<213> Homo sapiens

<400> 1154

```
ctgaactttc agatgaagtt gacttctact tgattgcagg attcagggtt tctcagatgt 60
taatacagag tcaaaagcgg tggataaaac cttgcaaata gcttgtgctt gttccaggct 120
gttgcaactga taaaccacac ggctgtattc ctcatgtctt gcatctgtgg tcttcagagc 180
cagtaagctt tttcccgcgc ccagaccgtc atcgtaacac accatccgga ttattaagta 240
gagagcatgc ctgtgcaaaa catcatattg atctgatgtt gatactttta tgccatactt 300
ggaaactccc ataataaatt cttcctccgg aggaacaaaa ggcaactttc catcttgctg 360
ggcaacgtct atataattta tcagggtctaa tggcccttca agg 403
```

<210> 1155

<211> 491

<212> DNA
<213> Homo sapiens

<400> 1155
cctccctctc agagcttgcc ccaggggactc tctggccctc aggggttcaat gtattctgac 60
caaggccaag ctttcctggg gctcaggga aatcacactt tgctaccga agctgtatcc 120
cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc 180
ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
gatgcagcct ctgtgaacag gtgcctggag gctgggaaat gaccctgaga ggcgaggaca 300
cagcaaccgt gggcttaagg tgaccttgag agcaagcttg gccacttta caattctgtt 360
cagagccagc ccctaacatg gtggtcattt attcatttgt tccctcattt taaaaaatgt 420
aaggccaggc atggtggctc acgccgggta atcccagcac tttgggaggc cgaggcaggc 480
agatcacctg a 491

<210> 1156
<211> 586
<212> DNA
<213> Homo sapiens

<400> 1156
agcaaataga agcaatcagg gcactgcaag ttgtgactac tccaagatgt gaatcatgga 60
tcatgcaaat tacaatcatg ttttaacctg acctccaaag ggagaataaa gtaaaaatta 120
tcccatgtga ggattattca ccagtttata tgtcattagt taccagtttt tctttatgaa 180
taatgttttag caatattata aagtatatct aatagttatc aggttttttg cttgttactt 240
tttggtagta acttataaaa ctgactggaa aagaccaata aggcactgtt tgcattgtac 300
aaattatata caaagaccaa aagctgttaa taagaaatct tccaataaaa ccacatcata 360
ttttcttttt tatttacacc cacatcagga ttacaacttt atcaggactg caccttgatc 420
aggaagggat gtttctctta caaggcta atagaaaggaa caataaattt gctgatgaaa 480
aaagtcatgc atttaaaaaa tttaacttta atttttaatt gagggcaata ttttaaagaa 540
atgctcatta gtcattcctt taaatttgtt gtgtgagaga gagaaa 586

<210> 1157
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 373, 389
<223> n = A,T,C or G

<400> 1157
cctccggctg gtgttctgag ggttgccagg ccatcgtgga cacaggcacc tctctgctca 60
ctgtgcccc aagctacatg agtgctcttc tgcaggccac aggggcccag gaggatgagt 120
atggacagtt tctcgtgaac tgaacagca ttcagaatct gccagcttg accttcatca 180
tcaatggtgt ggagttccct ctgccacct cctcctatat cctcagtaac aacggctact 240
gcaccgtggg agtcgagccc acctacctgt cctcccagaa cggccagccc ctgtggatcc 300
tcggggatgt ctctctcagg tctactatt ccgtctacga cttgggcaac aacagagtag 360
gctttgccac tgnccgctag acttgctgnc tc 392

<210> 1158
<211> 375
<212> DNA
<213> Homo sapiens

1155
1156
1157
1158

```

<400> 1158
gggaaaaata attttattcc tcaaatgata agcacattca gaagcaggac agaggagctc 60
tgatgacatc tctgggggac tcaaagcggc cctcatTTTT tggtattttc ccaggtgatt 120
ctcttccaac ctgtgagtcc tgctctcttt cctcccatct gaagtttgag acatcctctg 180
ccacaaggaa agccaccaat accagcccaa agagccacca gagaggaacc aaaccacatg 240
catcaagtta taggaaggat gcaagaaggg aaattaggaa ggaaaggagg gagtttagtt 300
ggcattctgg ggcatgctaa catgagggcg atggtctctc tccaagtcgc tggacatatc 360
ccttttcttt ccagg                                     375

```

<210> 1159

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 338

<223> n = A,T,C or G

```

<400> 1159
gtttattgta aaaaacaaaa aactctgtat tgtgcacatg aagacctgga gatgtgccga 60
cttcctgtcc ccaaagccaa tcttccccgc caaggcgact gaggatttca agggctcaga 120
gttactgcag gaatccaggt gacaccagga agagaagggg gaggagggga atcggagggg 180
atgggtttta aaggcagagg ggaggagat ggaagggaat gaggaggagg gagactgagg 240
gggctgcctt tccttgggga ctggggaact catgccctgc cccacccgc agggctccag 300
gggtgagaga aaggggtgga gaataaagaa ttgggcanca gggatgatgg ggaacagca 360
g                                                     361

```

<210> 1160

<211> 142

<212> DNA

<213> Homo sapiens

```

<400> 1160
cgcaatgttg ccagtgtctg tctgcagggt ggctacccaa ctgttgcatc agtaccatcc 60
tctatcatca acgggtacaa acgagtcctg gccttgtctg tggagacgga ttacaccttc 120
ccacttgctg aaaagggtcaa gg                                     142

```

<210> 1161

<211> 193

<212> DNA

<213> Homo sapiens

```

<400> 1161
ccaaagccta cgaccacctc ttcaagttgc tgctgatcgg ggactcgggg gtgggcaaga 60
cttgtctgat cattcgcttt gcagaggaca acttcaacaa cacttacatc tccaccatcg 120
gaattgattt caagatccgc actgtggata tagaggggaa gaagatcaaa ctacaagtct 180
gggacacggc tgg                                     193

```

<210> 1162

<211> 265

<212> DNA

<213> Homo sapiens

<400> 1162
 cctgggtgcc acgattccca gcctggagcg cagccaggac gtgggagacc ttctcagaga 60
 ctctccgggc acaactctatg agctccttct tgggttaggc atcactgggg ctgcactgca 120
 gggcgctgc cttgggtgacc agagcggcac agccatggcc cagctcctgt acccggtgtt 180
 tgatatggga acctatctct tcattttcag cagccaccgc tgcaggcttg gcctccgagg 240
 ccagacggcc atagtcactg gtcag 265

<210> 1163
 <211> 337
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15, 204, 205, 212, 224, 263, 285, 293
 <223> n = A,T,C or G

<400> 1163
 ctgcagagtg ggganaggct tttgccacta gaaacttcca ggatgcacga gatcaaggaa 60
 ttaagtctgt aacaaaataa caggatgtct tgtgaagtc aaagaattgc ttgaggcaaa 120
 ctgcagagct ccatgagatc agcaacccca agagctttta caccgccgga caccggttta 180
 taggaaaaaa atctcctata ctgnntattc anaaccaa at gaanagaaat gtcaaaggag 240
 tcggaaacaa tatgtcaa at tangtaaatt cctgacctga cccanatttt gcngaacatt 300
 tgatcctaaa ctgtgctgtc cacgtcctta ggatcac 337

<210> 1164
 <211> 368
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 221, 226, 233, 242
 <223> n = A,T,C or G

<400> 1164
 ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
 cttgaggtca ggagttcgag accagcctcg ccaacatggg gaaaccccat ttctactaaa 120
 aatacaaaaa attagccaag tgtggtggca tatgcctgta atcccaacta ctcagaaggc 180
 cgaggcgagga gaattacttg aacgcaggag aatcactgca ncccangagg canaggttgc 240
 antgagccga gattgcacca ctgcactcca gcctgggtga cagagcaaga ctccatctca 300
 gtaaataaat aaataaataa aaagcgctgc agtagctgtg gcctcaccct gaagtcagcg 360
 ggccccagg 368

<210> 1165
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 179, 211, 214, 235, 251, 252
 <223> n = A,T,C or G

```
<210> 1166
<211> 433
<212> DNA
<213> Homo sapiens
```

```

<400> 1166
ctgtctgtac  actttttctt  gggggaagag  ttcttgtctt  cagtttactg  cagtaggggt  60
cctggctctg  ttacatgctc  atgtgttccg  gaagaacaca  tgaaatatca  tcccacggat  120
gacgatacag  cccctgcttc  ancctcttct  gatcaagata  gtgtccaatg  aaccccatat  180
tccttcccag  cacaaagatg  ccattgaggg  ctccaatgtc  aatatattca  tcagcttcct  240
ccctgcaaca  cacatcaact  tgtagtttta  aaaggctcac  gtgactgccc  tcctccccac  300
agacagtact  actactgccc  aanaatgaga  agaaaagggg  tgctctgggt  ggtngcatta  360
caggcaattt  ttgttntctt  nnttatacct  ctcttatitt  tncaaanttt  ctattatgag  420
tntgcattac  ttt
                                         433

```

```
<400> 1167
cctctggctc tttcttcagc cacttctcca gctcctgcag gttctggctc gagtagtcag 60
tgacgacgat ctccctaaag gattcacaa gagagaggag ctgatagata gtggggccag 120
agccgatgtc aatcagcagg tctcccttca caccgtctag gcagaatatc ttgaaaagat 180
ttttcagaag gtgcttaaga atctggcttt ctgcagagtg cctagaacca aacttgtaat 240
atTTTTctag gtaatccga gggttaaaat ggcttagata ggtgtccttg gaggtgaagc 300
ctgattccat tatgtctcac ttccgtacca ctggagcact gccctccttc tctttcctcc 360
ag 362
```

```
<210> 1168
<211> 459
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 370, 382, 406
<223> n = A,T,C or G
```

<400> 1168
gcagtcatgq ggcccaggac catgccactg gccctgctcc cccagccgca gcctcacctg 60

```

cagggtgctcc tcgatgtcct tgcgggtcgta ggtgatgcc a ctgggctgta tgcacggctc 120
ccgcatcagc tcaaagctga tcttgccaca caggtagtcg gggatgtctc gcttctgtgg 180
cacaggggca cacggtcaga ggctgaaaag gggcactgca cgagcacctg ccagccatcg 240
gcagcaagcg acacacactc accttcctct tctcatccac ctgagaaaaa agctcgtcca 300
tgtccgcat gtacttgtcc tgtgaagagt tgagtgtgt gcttggggga gacacccac 360
ctccctcctn catggggcac anacccaaca caaggcgggg atgctnccac gccacgtgca 420
cacacacaga cccacatgtg ggtggggggc acctcacg 459

```

<210> 1169

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1169

```

ccaggccacc tgtgcggggc tcctcgatgt ggaagggttcg ggtgaggaga ttgtagaagg 60
agccgtagca cacggccacc acagtgcacg tgaggcagat cacgctgtag ggcatgctga 120
agtcgggtgt cggcagggttc accagcagcg gctccgtgta gagccgcaca aagtagttag 180
agccatcaga gactgggaac aggctgttga agaggggact ctcttcccag tccactggct 240
tggctgtac catgctgggc acaaggcgcg tgaggacaga tgggctgaca tagaagccat 300
ggttaggatc tggcgtgtac tcgggtccact tcagcagcgc ccgctcaaac tggatggaaa 360
ccttggtgac tgagttggcc ggccag 386

```

<210> 1170

<211> 480

<212> DNA

<213> Homo sapiens

<400> 1170

```

ctatttctct gttagtgttt aaccaaccat ctgttctaaa agaagggtcg aactgatgga 60
aggaatgctg ttagcctgag actcaggaag acaacttctg cagggtcact ccctggcttc 120
tggaggaaag agaaggagg cagtgtcca gtggtacaga agtgagacat aatggaatca 180
ggcttcacct ccaaggacac ctatctaagc cattttaacc ctgggatta cctagaaaaa 240
tattacaagt ttggttctag gcactctgca gaaagccaga ttcttaagca ccttctgaaa 300
aatcttttca agatattctg cctagacggg gtgaaggagg acctgctgat tgacatcggc 360
tctggcccca ctatctatca gtcctctct gcttgtgaat cctttaagga gatcgtcgtc 420
actgactact caggaccaga acctgcagga gctggagaag tggctgaaga aagagccaga 480

```

<210> 1171

<211> 317

<212> DNA

<213> Homo sapiens

<400> 1171

```

cctcagcagc cctgccacgg atctgcccga ttctttcgca tcaagaagtt gatcttgcca 60
gccatttcca tgttgtatag ccgcccgcac ctctcatagc ttccctctg tcgcccgcgg 120
catggcttct cataataccg ccgatgctta atgtcctcaa tgagccatc catagtgaag 180
attctgttta gggctctgta tgcgctttcc acgttccctt cctgtaccat cacagtcctg 240
gcgatgaact tcagatgttt tgccatgacc ttggatttaa accttcactc tgtagagcct 300
cgcgcgctca gtaccta 317

```

<210> 1172

<211> 202

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 32, 62, 70, 71, 77, 90, 111

<223> n = A,T,C or G

<400> 1172

```
ggcaacggga ggaacagcag cagaggcagc angagcagga ggagcgtgaa cgagaagagc 60
ancggcgatn ngctgcncct agtgaccgan agaagagagc tctggctgca nagecgccgac 120
tcgctgcecca gttgggagcc cctacctctc caatccctga ctctgcaatc gtcaatactc 180
gacgctgctg gagttgtggg gc                                     202
```

<210> 1173

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1173

```
ctgcctgggt tgtggccgcc ctagcctcct gtatgcccac agctactgga atccccgctg 60
ctgctccagg ccaagcttct ggttgattaa tgagggcagc ggggtggccc tcaagacctt 120
cccctacctt ttgtggaacc agtgatgcct caaagacagt gtcccccca cag          173
```

<210> 1174

<211> 301

<212> DNA

<213> Homo sapiens

<400> 1174

```
ccaagagcta caatgggcag cgcacagac agaacgtgca gggttttgag ttccagttga 60
ctgcggagga catgaaagcc atagatggcc tagacagaaa tctccactat tttaacagtg 120
atagttttgc tagccaccct aattatccat attcagatga atattaacat ggagagcttt 180
gcctgatgtc taccagaagc cctgtgtgtg gatggtgacg cagaggacgt ctctatgccg 240
gtgactggac atatcacctc tacttaaadc cgtcctgttt agcgacttca gtcaactaca 300
g                                     301
```

<210> 1175

<211> 537

<212> DNA

<213> Homo sapiens

<400> 1175

```
cctgcagggc tcggccgtag gagaaggcca gggcccaggg cttcagcagg gggcacttgt 60
taatggcatt gaggttgatg gacgcctcct cctcactctg gcctccagac aggaaggtga 120
tcccagtgac agcggggggc actgtgcggc gcagcgtgtg gacggtcgcc atggcaatct 180
cctcatgaga aaacttctga gtgcaagcat ggcctggggg gaccatgttg ggcttcagca 240
aggtgccttc caggtagatg tgggtgtcac tcagagcctt gtagacagca gccagcacct 300
tctcggtcac atactggcag cgcttcaagt catggtcccc atcagggagg atctcaggct 360
ccacgatggg cacaatgcca ttctgctggc agatactggc ataacggggc agaacatttg 420
cattttccat gatggcgagg gctgaggggg tgtgttcccc aatcttcagc acacaacgcc 480
acttggcgaa gtcagctccg tccttcttgt actgggcaca gcgctcagac agcccat 537
```

<210> 1176

<211> 384

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 268, 285, 334, 360, 361, 368
<223> n = A,T,C or G

<400> 1176
ctgacaaaa atgtgaaatt tccacaaaat atccaactta tgtgactaaa cgagtagtt 60
tttttaaaag gggagataga aaataaatgg ttttgttgga gtgcatttta gtaagccttt 120
gcagtaaaat gacggttgta actactaaac caaatttagt tttcacagca tggttttgtt 180
gttttcccct tgtttttcag aggtaaatgt tgcattatat ccttcagtat ttttaacacta 240
ttttggcagt ttacacatta ctttttgntt ttccttcctt tttgngaaat gtattaagtt 300
gtggttctta ttgaacagat attatataat gttingctta ttatatcatg tgatgctcan 360
ntctattntg atttattcat tagt 384

<210> 1177
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 492, 541, 550
<223> n = A,T,C or G

<400> 1177
ccaacaacat gcaggaagct cagagtatcg atgaaatcta caaatacgac aagaaacagc 60
agcaagaaat cctggcgccg aagccctggg ctaaggatca ccattacttt aagtactgca 120
aaatctcagc attggctctg ctgaagatgg tgatgcatgc cagatcgcca ggcaacttgg 180
aagtgatggg tctgatgcta ggaaaggagg atggtgaaac catgatcatt atggacagtt 240
ttgctttgcc tgtggagggc actgaaaccc gagtaaatgc tcaggctgct gcatatgaat 300
acatggctgc atacatagaa aatgcaaaac aggttgccg ccttgaaaat gcaatcgggt 360
ggatcatagc ccaccctggc tatggctgct ggctttctgg gattgatgtt agtactcaga 420
tgctcaatca gcagttccag gaaccatttg tagcagtggg gattgatcca acaagaacaa 480
tatccgcagg gnaaagtga tcttgccgc tttaggacat acccaaaggg ctacaaacct 540
nctgatgaan gaccttctga gt 562

<210> 1178
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 117
<223> n = A,T,C or G

<400> 1178
cgcgctctgga tggccgaatc attcgacag actgggacgc aggcctttaag gagggcaggc 60
aatacggccg tggcgatct gggggccagg ttcgggatga gtatcggcag gactacnatg 120
ctgggagagg aggcattgga aaactggcac agaaccagtg agtggtgaga gctctgtcag 180
tgacaaacac tcctttggcc tgttgaattt gctgaagaac atcacctaaa gtctgcacac 240

gagcccatTT ttaccaagat ttgatcagtg tctttactga gctggaagcc tctgaaagtt 300
 attaaaggac agaatccaaa agaatgcctt taattcttgt ctgagaatct tgg 353

<210> 1179

<211> 288

<212> DNA

<213> Homo sapiens

<400> 1179

ccaatgggat cctcaagggtg cctgccatca atgtcaatga ctccgtcacc aagagcaagt 60
 ttgacaacct ctatggctgc cgggagtcct tcatagatgg catcaagcgg gccacagatg 120
 tgatgattgc cggcaaggta gcggtggtag caggctatgg tgatgtgggc aagggctgtg 180
 cccaggccct gcggggtttc ggagcccgcg tcatcatcac cgaggttgac cccatcaacg 240
 cactgcaggc tgccatggag ggctatgagg tgaccacat ggatgagg 288

<210> 1180

<211> 523

<212> DNA

<213> Homo sapiens

<400> 1180

ctggagagat ggagcgggtgg gcaccgtcat ccttcctcat cagccacata gaaggacagt 60
 ggcgatttca gccagcttt tctgactgct tgtaaattga agcccagaac tggtttgcca 120
 cctgtgggat cgactcagca ttttaaaata ggaggcagtc gtgagtgcag gtttcttgca 180
 gctccgggtg gccctgggct ccaggtcagg agacctcagc tcctgtccct gatctgtggt 240
 tgtcaagcct tgcagactct aaactcagca tctttatctg tcagacgtag acacgtggct 300
 cccgtggttg gtgcgggttg aatagctgag gtaatacacg gacctccaag cactagagca 360
 gtatgaggag ttctgaggaa tggttatcct gcggtgcctg tgggtccacag caagccattc 420
 ttatcccatc cggtttactt cccacagcca ctttgtaagc ataggcatta tcctctaccc 480
 catcatagaa atgaggaaaa gaatcaccaa gagagtaagc agc 523

<210> 1181

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 438, 479

<223> n = A,T,C or G

<400> 1181

cacagatgaa ggcttttgtga tacctgatga agggggccca caggaggagc aagaagagta 60
 ttaacagcct ggaccagcag agtaacatcg gaattcttca ctccaaatca tgtgcttaac 120
 tgtaaaatac tcccttttgt tacccttaga ggactcactg gtttcttttc ataagcaaaa 180
 agtacctctt cttaaagtgc actttgcgga cgtttcactc cttttccaat aagtttgagt 240
 taggagcttt taccttgtag cagagcagta ttaacaccta gttggttcac ctggaaaaca 300
 gagaggctga ccgtggggct caccatgcgg atgcgggtca cactgaatgc tggagagatg 360
 ttatgtaata tgctgaggtg gcgacctcag tggagaaatg taaagactga attgaatttt 420
 aagctaattg gaaatcanag aatgttgtaa taagtaaagt ccttaagagt atttaaaana 480
 tgcttccaca ttt 493

<210> 1182

<211> 329

<212> DNA
<213> Homo sapiens

<400> 1182
cgcgctctctg acactgtgat catgataggg gttcaaacag aaagtgcctg ggccctcctt 60
ctaagtcttg ttaccaaaaa aaggaaaaag aaaagatctt ctcaattaca aattctggga 120
agggagacta tacctggctc ttgccctaag tgagaggtct tccctccgc accaaaaaat 180
agaaaggctt tctatttcac tggcccaggt agggggaagg agagtaactt tgagtctgtg 240
ggcctcattt cccaggtgcc ttcaatgctc atcaaaacca ggcattggga aggcctggc 300
aaactgctcc acccggtgcc tgaggttg 329

<210> 1183
<211> 198
<212> DNA
<213> Homo sapiens

<400> 1183
cctgacagac agaagggtt ggagattttt tttctttaca attcagtctt cagcaacttg 60
agagctttct tcatgttgct aagcaacaga gctgtatctg caggttcgta agcatagaga 120
cgatttgaat atcttcaggt gatatcggct ctaactgtca gagatgggtc aacaaacata 180
atcctgggga catactgg 198

<210> 1184
<211> 224
<212> DNA
<213> Homo sapiens

<400> 1184
ctggaggtgc ctgagaagg gatttctgct tctgcaggg gcttgaaaca ccaaggcact 60
ccagggatcc tggagtcaaa gcagcagccc cggttggtgc actccttggg ggtgacatgg 120
gggtagccgc agtccacctt gtccttggtc ggcacggcac actggtttgc agacaggccc 180
acgtactcct cagcagagct ggaggacagc aaggccagga ccag 224

<210> 1185
<211> 367
<212> DNA
<213> Homo sapiens

<400> 1185
ccttttacag atgtcagctt tcaactggcct ccatgcacaa cctcccacta ccaccaatc 60
tgctgccac agcaaagtgc aggcaccctg ggccccctgg aggatgcggg caggggctac 120
agggcatcca ggatgtggct gatcttggtg accagctcct ggcgctttcc tgagatgagc 180
ttctcattct caatgtacgt gtctttcttg agcttgccag ccaccaggcg ctgagcctcc 240
accgccgact tcagcaccag ctcccttgacc tgtgcatcca gcttctgcat ttcgctcact 300
ctgtcgaca gatcagagcc ctctgtcttc agcctggact gcagcagtg aatctcactg 360
gtcaagg 374

<210> 1186
<211> 188
<212> DNA
<213> Homo sapiens

<400> 1186
ccattaagcg gatgctggag atgggagcta tcaagaacct cacgtccttc cgacctgggc 60

```

aagagctgta gcctgtcggt tgcctactct gctgtctggg tgacccccat gcgtggctgt 120
gggggtggct ggtgccagta tgaccactt ggactcacc cctcttgggg agggagtcct 180
gggcctgg                                     188

```

```

<210> 1187
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<400> 1187
gttgatgcta ctctgaagtc tctcaacaac cagattgaga cccttcttac tcctgaaggc 60
tctagaaaga gccagctcg cacatgccgt gacttgagac tcagccaccc agagtggagc 120
agtggttact actggattga ccctaaccac ggatgcaacta tggatgctat caaagtatac 180
tgtgatttct ctactggcga aacctgtatc cgggcccacac ctgaaaacat cccagccaag 240
aactgggtata ggagctccaa ggacaagaaa cacgtctggc taggagaaaac tatcaatgct 300
ggcagccagt ttgaatataa tgtagaagga gtgacttcca aggaaatggc tacccaactt 360
gccttcacatgc gcctgctgg                                     379

```

```

<210> 1188
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 1188
cgcgtcggac tgcagccagt ccgtttcctt tcttttagcca gccatcctgg tactgtagtt 60
taggggttga tgggtggtga aattgatttc tggctgggta ctaagggtgcc tgctagccat 120
tgtataaaat taaaacatga agaatatattt ttttttgagc atggctagtg gatttaaaac 180
aacacatacc tgtcactgct ggagtcaaac ttataaaaag ccttaagtgg aaagtgttcc 240
agacggagac tctgagttaa tagaggagta gaagctggtg ttaaagtacc cacgacgcac 300
atggctttgc cagaaactct gtttaatgat cggcctttca cctcttcact tatccttagt 360
cccagtagcc aggatacctg atgg                                     384

```

```

<210> 1189
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 348, 349
<223> n = A,T,C or G

```

```

<400> 1189
ggaaaaacca gccactgctt tacaggacag ggggttgaag ctgagccccg cctcacaccc 60
accccatgc actcaaaagt tggattttac agctacttgc aattcaaaat tcagaagaat 120
aaaaaatggg aacatacaga actctaaaag atagacatca gaaattggtg agttaagctt 180
tttcaaaaaa tcagcaattc cccagcgtag tcaagggtgg aactgcacg ctctggcatg 240
atgggatggc gaccgggcaa gctttcttcc tcgagatgct ctgctgcttg agagctattg 300
ctttgttaag atataaaaag gggtttcttt ttgtctttct gtaaggtnna cttccagctt 360
ttgattgaaa gtcctagggg gattctattt ctgctgtgat ttatctgctg aaagctcag 419

```

```

<210> 1190
<211> 173
<212> DNA

```

<213> Homo sapiens

<400> 1190

```
ccaggtagtg gcacatcatg ctctggatgg gggtagtggt gtcctgtagg cagagaaaca 60
ggaaattgtc gtagtcagta tcgagcagcg tggcctcggt cgccaccgta tagttgatct 120
tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag 173
```

<210> 1191

<211> 341

<212> DNA

<213> Homo sapiens

<400> 1191

```
cctcctgccg gcagttcttg aagcttcttt ttcattcctg ctactctacc tgtatttctc 60
agttgcagca ctgagtgggc aaaatacatt tctgggccac ctcagggaac ccatgcatct 120
gcttggcatt taggcagcag agccctgac cgtcccccac agggctctgc ctcacgtcct 180
catctcattt ggctgtgtaa agaaatggga aaagggaaaa ggagagagca attgaggcag 240
ttgaccatat tcagttttat ttattttatt ttaatttggt cttttctcca agtccaccag 300
tctctgaaat tagaacagta ggcggtatga gataatcagg a 341
```

<210> 1192

<211> 324

<212> DNA

<213> Homo sapiens

<400> 1192

```
ttggagggtg ggggcgcggg gctgaaggct agcaaaccga gcgatcatgt cgcacaaaaca 60
aatttactat tcggacaaat acgacgacga ggagtttgag tatcgacatg tcatgctgcc 120
caaggacata gccaaagctgg tccctaaaac ccatctgatg tctgaatctg aatggaggaa 180
tcttggcggt cagcagagtc agggatgggt ccattatatg atccatgaac cagaacctca 240
catcttgctg ttccggcgcc cactacccaa gaaaccaaag aaatgaagct ggcaagctac 300
ttttcagcct caagctttac acag 324
```

<210> 1193

<211> 521

<212> DNA

<213> Homo sapiens

<400> 1193

```
ctgctttggt ttctgttggc agtggaggga caagtgaga ggagccaggg gtagtcatga 60
acaccagtgg gttctgccct gggcagctcc ccaccttctt taagagagta ctgtgtctca 120
gtccagcag tctcaactgg gaagaccag gactcctgct cttttctcta atccctggga 180
gacgaggtcc agctaaggta gagtaagcag tcagtgaacca ggcaggctgg tttgggaggt 240
cactgcctgg aggacgggat cttgtattct tcggaagatg gctgggaaat tcttccctcc 300
attacgtaga actttcttcc cctcctcagt tgaggtgcct agatgtccca caacgggggc 360
ttcactcagg tcctccagag gcacacgctc aaacagtggg tgctcttcga aatgagtga 420
catccagtgc ttagctcca gcacatcggt tatggtatac accagcccct gcataggcaa 480
aatcacccta gacaggaggc tgcattgcaac gtcagcagcc a 521
```

<210> 1194

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1194

```

ccagtgacta gaaggcgagg cgccgcggga ccatggcggc ggccggcgac gagcggagtc 60
cagaggacgg agaagacgag ggagaggagg agcagttggt tctggtggaa ttatcaggaa 120
ttattgattc agacttcctc tcaaaatgtg aaaataaatg caaggttttg ggcattgaca 180
ctgagaggcc cattctgcaa gtggacag                                     208

```

<210> 1195

<211> 499

<212> DNA

<213> Homo sapiens

<400> 1195

```

ccagaaagga aagacaataa ttttgttttt tcattttgaa aaaattaaat gctctctcct 60
aaagattctt cacctacttt ggtctccata acttctatgt tttctttcct tctgacacac 120
tagtgccctt aaattgtgat ttgcctatac gtttagggcc ggggttgaa gatgttaaca 180
accatttaag attcatttct gcagtgggag tgggtggagt ttcacctctt gggaaagggg 240
caggtgacag gtatttatca gtcagtgcct ctctagctct tgtaggaaga agcacacgca 300
ggatggagtc tagaggatga gcgatattga ctagcaattc atgggctccc tccagcagtg 360
cgagggtcag agtttctgga gccttgggag gaggcattcc tgtgaggggg ggttagggag 420
atgggagggc accaggaaaa gtgattagaa gtcaggtatg ggaaggctaa attaggacag 480
agtcgagtac atctctgct                                     499

```

<210> 1196

<211> 455

<212> DNA

<213> Homo sapiens

<400> 1196

```

ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgccc cctgcagagt caacagggtcc agcctcacag 120
tgcacgcctt gagctacagc ctctcccaaa aggcatcttc cccacagcct caacgccgag 180
caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaaataaaa 300
agaaaatgcc agaaacatct ttaaatgcct tgtcacacca acagcaaagt gcacagagtg 360
aggagaacac gagagtgcct tttcatttta aaaatgtttg gaaatatgta caacttcgat 420
acagtttcag ggtgctccag acacccatgg acctg                                     455

```

<210> 1197

<211> 444

<212> DNA

<213> Homo sapiens

<400> 1197

```

cctggatgtg gctcttcgca ctgaaggcca agtagtagat cacaaggccg atcgccgcag 60
ccagcacctc agtggacacc cagggcccggt tccaagtgcc ccgatgggtcc acgctgactg 120
taaacagagg cgggatgatg gaaatgtcct cgttattcct ctgagccttc ctgaggaggc 180
tgtaggactc ctgcgcgaag aatctaacct cataggtgcc tgcgtgggag ctcttggtgt 240
tcaggcttca ggacacctga taacgcccc catcctggcc tcgagtgaca gggaattgtt 300
ttccaccgac gtcagcatag agagccatgt tctggaccct gttcttgcat gtcagggaga 360
tctccacaat gaagacggtc tcagtggaaa tgacagcgtc agaagtgggtg tagtaggaag 420
gggtgatctg gggctccagg cagg                                     444

```

<210> 1198

<211> 450

<212> DNA
<213> Homo sapiens

<400> 1198
ccatgggtgt ctggagcacc ctgaaactgt atcaaagtgt tacatatttc caaacatttt 60
taaaatgaaa aggcactctc gtgttctcct cactctgtgc actttgctgt tgggtgtgaca 120
aggcatttaa agatgtttct ggcattttct ttttatttgt aagggtggtg taactatggt 180
tattggctag aaatcctgag ttttcaactg tatatatcta tagtttgtaa aaagaacaaa 240
acaaccgaga caaaccttg atgtccttg ctcggcgttg aggctgtggg gaagatgcct 300
tttgggagag gctgtagctc agggcgtgca ctgtgaggct ggacctgttg actccgcagg 360
gggcatccat ttagcttcag gttgtcttgt ttctgtatat agtgacatag cattctgctg 420
ccatcttagc tgtggacaaa ggggggtcag 450

<210> 1199
<211> 294
<212> DNA
<213> Homo sapiens

<400> 1199
agtcacagtt gcacctattc aaaactagct ttaaagtgtg ctattttttaa acttcataaa 60
aatattcatg attttattag tttgaatatt tctacaagat tcgggtgggc ttttccttta 120
ggtgaaaaca gctatccact cctgtggcct tataactcag gaaatgctgg ggatgcaaac 180
gtgcaaaagg cagggggaag ctgcccaggc tgagactgga gcagctagga gtgtgcttgg 240
ggaacgggag ctgagatccc ggagcagaaa tggtcagccg tgctctggag cagg 294

<210> 1200
<211> 258
<212> DNA
<213> Homo sapiens

<400> 1200
agctacctaa gaacagctaa aagagcacac ccgtctatgt agcaaaatag tgggaagatt 60
tataggtaga ggcgacaaac ctaccgagcc tggatgtagc tggttgtcca agatagaatc 120
ttagttcaac tttaaatttg cccacagaac cctctaaatc cccttgtaaa ttttaactgtt 180
agtccaaaga ggaacagctc tttggacact aggaaaaaac cttgtagaga gagtaaaaaa 240
tttaacaccc atagtagg 258

<210> 1201
<211> 403
<212> DNA
<213> Homo sapiens

<400> 1201
ctgagctgct gtctgctttg gaaaaccgtt cctgccgctg ccgatggatg gaaatgcaat 60
ggatttcagc ttcttatcat cagccagggc caagcagttt ttcactgtct tttccagaag 120
ttcttcacac ttgtctgcac cccaaactgg actattacag tggatcacia acttggcagg 180
caggccatgg cctgcgctga cagcagctcc agctacttcc aagggcccggt tctttttccg 240
gagttccagg acagcttcca caaactcctt gccacctttc ttctccagcg tgtttcctag 300
gtcatcttta aggtcaatgt cagcattggt aggattgatt atggcctcca cctcaaagcc 360
ggctaaatta ctgatttcac tgtgaataag gttcggcttc tgg 403

<210> 1202
<211> 325
<212> DNA

<213> Homo sapiens

<400> 1202

ctgaacctgc	gggagtcggc	caccatcacg	tgcttggtga	cgggcttctc	tcccgcgagc	60
gtcttcgtgc	agtggatgca	gagggggcag	cccttgctcc	cggagaagta	tgtgaccagc	120
gccccaatgc	ctgagcccca	ggccccaggc	cggtaacttcg	cccacagcat	cctgaccgtg	180
tccgaagagg	aatggaacac	gggggagacc	tacacctgcg	tggtggccct	tgaggccctg	240
cccaacaggg	tcaccgagag	gaccgtggac	aagtccaccg	gtaaaccac	cctgtacaac	300
gtgtccctgg	tcatgtccga	cacag				325

<210> 1203

<211> 518

<212> DNA

<213> Homo sapiens

<400> 1203

ctcaaccaca	gtctgacacc	agagcccact	tccatcctct	ctggtgtgag	gcacagcgag	60
ggcagcatct	ggaggagctc	tgacgcctcc	acacctacca	cgacctccca	gggctgggct	120
caggaaaaac	cagccactgc	tttacaggac	agggggttga	agctgagccc	cgcctcacac	180
ccacccccat	gcactcaaag	attggatttt	acagctactt	gcaattcaaa	attcagaaga	240
ataaaaaatg	ggaacataca	gaactctaaa	agatagacat	cagaaattgt	taagttaagc	300
tttttcaaaa	aaccagcaat	tccccagcgt	agtcaagggt	ggacactgca	cgctctggca	360
tgatgggatg	gcgaccgggc	aagctttctt	cctcgagatg	ctctgctgct	tgagagctat	420
tgctttgtta	agatataaaa	aggggtttct	ttttgtcttt	ctgtaagggtg	gacttccagc	480
ttttgattga	aagtcctagg	gtgattctat	ttctgctg			518

<210> 1204

<211> 352

<212> DNA

<213> Homo sapiens

<400> 1204

ggggaaagga	ggtctcactg	agcacccgtc	cagcatccgg	acaccacagc	ggcccttcgc	60
tccacgcaga	aaaccacact	tctcaaacct	tactcaaca	cttccttccc	caaagccaga	120
agatgcacaa	ggaggaacat	gaggtggctg	tgctgggggc	acccccagc	accatccttc	180
caagggtccac	cgtgatcaac	atccacagcg	agacctccgt	gcccagaccat	gtcgtctggt	240
ccctgttcaa	caccctcttc	ttgaactggt	gctgtctggg	cttcatagca	ttcgccctact	300
ccgtgaagtc	tagggacag	aagatggttg	gcgacgtgac	cggggcccag	ga	352

<210> 1205

<211> 250

<212> DNA

<213> Homo sapiens

<400> 1205

ctgttcaact	tccaactcta	aataggcacc	attaaacaaa	aaaccccagt	atttttaaatt	60
tctccagcac	acattccagg	atcaatgctc	tgaactgtaa	tcagctagta	attcataacg	120
ggaatacagc	cttagaatgg	aagctatatt	gcttccctgc	cccccttctc	ttacaattgg	180
agagtgtagg	tattaaggga	tacaaagtca	gaggaagaat	aattaaaaag	aaaaatgccc	240
aaagctgcag						250

<210> 1206

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 11, 13, 236, 237

<223> n = A,T,C or G

<400> 1206

```
ctgctctcgn ngntcactg gatggaccag cacttccgca cgacgccctt ggagaagaac 60
gccccgtct tgcctggcct gctgggtatc tggtagatca actgctttgg gtgtgagaca 120
cacgcatatg tgcctatga ccagtagctg caccgtttg ctgcgtactt ccagcagggc 180
gacatggagt ccaatgggaa atacatcacc aaatctggaa cccgtgtgga ccaccnnaca 240
ggccccattg tgtgggggga gccagggacc aatgg 275
```

<210> 1207

<211> 182

<212> DNA

<213> Homo sapiens

<400> 1207

```
ccatctcctg ctgaagtcc agggcgacgt agcacagctt ctctttagat tcgcgcacga 60
tttcccgctc ggccgtgggt gtgaagctgt agcctcgctc agtgaggatc ttcagtaggt 120
agtcggtcag gtcccgcca gccaggtcca gacgcaggat ggctggggg agggcgtagc 180
cc 182
```

<210> 1208

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 130, 154, 167, 176, 240

<223> n = A,T,C or G

<400> 1208

```
gctggttatg aactcctgac ctcaagtgat ctgccctcct cagcctccca aagtgtctggg 60
attataggca tgagccactg gaatttttct tttttttttt ctttcttttt tttttttttt 120
ttaaattgan acaaggtctg gctctatcgc ccangctgga gtgcagnggc accatntcgg 180
ctcactgcaa cctctgcctg ctgggctcga gccatcctcc cacctcagcc tcccaagtan 240
ttgggactag aggtatgcac 260
```

<210> 1209

<211> 487

<212> DNA

<213> Homo sapiens

<400> 1209

```
aaaccctact caccttacta ccagacaacc ttagccaaac catttaccba aataaagtat 60
aggcgataga aattgaaacc tggcgcaata gatatagtag cgcaagggaa agatgaaaaa 120
ctataaccaa gcataatata gcaaggacta atccctatac cttctgcata atgaattaac 180
tagaaataac tttgcaagga gagccaaagc taagaccccc gaaaccagac gagctaccta 240
agaacagcta aaagagcaca cccgtctatg tagcaaaata gtgggaagat ttataggtag 300
aggcgacaaa cctaccgagc ctggtgatag ctggtgtgcc aagatagaat cttagttcaa 360
```


ctttaaattt gccacagaa ccctctaaat ccccttgtaa atttaactgt tagtccaaag 420
 aggaacagct ctttggacac taggaaaaaa ccttgtagag agagtaaaaa atttaacacc 480
 catagta 487

<210> 1210
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 1210
 ccactcagct cagcgggcca cgtgccccta caagtggca gaagtggctg ccactgctgg 60
 gtttgtgtaa gagaggctgc tgccaccatt acctgcagaa accttctcat aggggctacg 120
 atcggtagctg ctagggggca catagcgccc atggatgtgg taggtggggg actcgctcat 180
 aggatggtag gtatcccggg ctggaaagat gtccag 216

<210> 1211
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 1211
 ccaaggtcag aggtgatgc aacaggccct cttctcccca gggccaggct cctgtccagc 60
 ctgggactg cccagagtga tggcattggt ccggatgctg ttctgtctct gcttggacac 120
 cttcgcaaag atttctttca ggacagtctc aaaggctagc tcaacattgg tagagtccag 180
 ggctgaggtc tccaggaaga gcagtcatt gtttccagcg aacattcggg cctcctcagt 240
 gggcacttcc cgggcctggc tgaggtcact tttgttacc acgagcatga cgacgatcgt 300
 ggcttcagca tggatcataga gctccttcag ccacgcgtcc accacagcat aggtctggtg 360
 cttggttagg tcaaacacca ggagggcccc cactgcacca cgatagtacg ccgaggtgat 420
 ggctcgttac cgctccaggc cag 443

<210> 1212
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 1212
 actgaaaccc gagtaaagtc tcaggctgct gcatatgaat acatggctgc atacatagaa 60
 aatgcgaaac aggttggccg ccttgaaaat gcaatcgggt ggtatcatag ccaccctggc 120
 tatggctgct ggctttctgg gattgatgtt agtactcaga tgctcaatca gcagttccag 180
 gaaccatttg tagcagtggg gattgatcca acaagaacaa tatccgcagg gaaagtgaat 240
 cttggcgctt ttaggacata cccaaagggc tacaaacctc ctgatgaagg accttctgag 300
 taccagacta ttccacttaa taaaatagaa gattttggtg tacactgcaa acaatattat 360
 gccttagaag tctcatatct caaatcctct ttggatcgca aattgcttga gctgttgg 420
 aataaatact gggatgaatac gttgagttct tctagcttgc ttactaatgc agactatacc 480
 actggtcagg tctttgattt gtctgaaaag ttagagcagt cagaag 526

<210> 1213
 <211> 359
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15, 255, 258, 321, 322, 357

$\langle 400 \rangle$ 1213

<210> 1214

<211> 428

<212> DNA

<213> Homo sapiens

<400> 1214

ccaagcttga	ggcagcccta	ggtgaggcca	agaagcaact	tcaggatgag	atgctgcggc	60
gggtggatgc	tgagaacagg	ctgcagacca	tgaaggagga	actggacttc	cagaagaaca	120
tctacagtga	ggagctgcgt	gagaccaagc	gccgtcatga	gacccgactg	gtggagattg	180
acaatgggaa	gcagcgtgag	tttgagagcc	ggctggcgga	tgcgctgcag	gaactgcggg	240
cccagcatga	ggaccaggtg	gagcagtata	agaaggagct	ggagaagact	tattctgccca	300
agctggacaa	tgccaggcag	tctgctgaga	ggaacagcaa	cctggtgggg	gctgcccacg	360
aggagctgca	gcagtcgcgc	atccgcacgc	acagcctctc	tgcccagctc	agccagctcc	420
agaagcag						428

<210> 1215

<211> 414

<212> DNA

<213> Homo sapiens

<400> 1215

ctgaagcact	cttcagagac	tacgtccaca	gacactgatg	ctgaggcctt	tcttgtaagt	60
gaagaaaaag	gaatgcagca	aagaagagtt	cgacattgga	gtccttagtt	ccatcaggat	120
ccatttcgca	gccttttagca	tcattgtagaa	gcaactgca	cctatggctg	agataggtgc	180
aatgacctac	aagattttgt	gttttctagc	tgtccaggaa	aagccatctt	cagtcttgct	240
gacagtcaaa	gagcaagtga	aaccatttcc	agcctaaaact	acataaaaagc	agccgaacca	300
atgattaaag	acctctaagg	ctccataatc	atcattaaat	atgccaaaac	tcattgtgac	360
tttttatatt	atatacagga	ttaaaatcaa	cattaaatca	tcttatattac	atgg	414

<210> 1216

<211> 162

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle$ 118, $\bar{119}$, 148
$$\langle 223 \rangle \quad n = A, T, C \text{ or } G$$

<400> 1216

cctggccgca ggggtcccccg gtattgctgt tgctacgagg ttgggggggca gcgattgtcc 60
tgtgggagcc accgttctcc tgggtcgggg accctcactt cttctgggggt gtgctcannt 120
tgtgcatgcc ccggaatcttg tccagcangc cagaaatgaa gg 162

<210> 1217
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 306
 <223> n = A,T,C or G

<400> 1217
 ctgaagtaga ggctggaact gaagctgaga ctgaggctga ggctgaaact ggagctaagg 60
 gtgaggctgg aactggagct gaggttgagg ccagaactgg agctaaagtt gaggctggaa 120
 ccggagctga ggttgaggct ggaactggag ttaaggttgc tggaagtga gctgaggttg 180
 aggctggaac tgaagctgag gttgaagggtg gaagtggagc cgaagctaga ggtggaactg 240
 aggctgaaga ctgtgcttgc tggatccctg tagcctgttt tttggcaaat cttggaggaa 300
 gcttanaagt ctggcttctt cttttttcat ttgcattctt tttgttccag accttaaaaa 360
 attaacgggg accatTTTTG tcaataatgc ag 392

<210> 1218
 <211> 526
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 379, 447, 470, 501
 <223> n = A,T,C or G

<400> 1218
 ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60
 agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatatc ttaacaaagc 120
 aatagctctc aagcagcaga gcatctcgag gaagaaagct tgcccggctg ccatcccatc 180
 atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240
 agcttaactt aacaatttct gatgtctatc ctttagagtt ctgtatgttc ccatttttta 300
 ttcttctgaa ttttgaattg caagtagctg taaaatccaa tctttgagtg catgggggtg 360
 ggtgtgaggc ggggctcanc ttcaaccccc tgtcctgtaa agcagtggct gggttttcct 420
 gagcccagcc ctgggaggtc gtggtangtg tggaggctgc agagctcctn cagatgctgc 480
 cctcgctgtg cctcacacca nagaggatgg aagtgggctc tgggtgt 526

<210> 1219
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 1219
 ctggccggcg gtgcagatct ggagtccagc ctgagggatg cgctactttc cattctctgc 60
 attgaacatt cgttctgtca gcatccgctc cagcttcaact gcatcagcgg caaacttgcg 120
 gatcccgtca gagagcttct ccacagccat ctggctcctg ttgtgcaacc aacggaaaga 180
 cttctcatcc aggtggattt tttccaggct actggcttgg gccgccttgg ctgagagcac 240
 aggaccagc ttggcgttgt cctgcagcag ctctcccagg agcttggttg agatggtgag 300
 gaagtcacag ccggccagtg ctttgatctc gcccggtgtg cggaaggagg cgcccatgac 360
 aatggttttg tagctaaact tc 382

<210> 1220
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 1220
 tcgacctcct tgaagcagac caagtatagc aagcctctaa aaggactact gagaaacaga 60
 atcagaaact ctagaactct agttagggcc cttcagcagg gctgcagagc ctccctggat 120
 acccagg 127

<210> 1221
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 1221
 ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60
 gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgccacacagggtctcc 120
 agggagcttg gcttctgtag aagttctaag gaagcgggtac gaactccacg gcggtggggc 180
 gctaactagc agggaccctt gcaagtgttg gtcgggggcc tcgggctgcc tgagctgaca 240
 cgaggggagg ggtctgtgta gccaacaggt gaccgaaggg cttgctgcc cacagcttac 300
 ttgg 304

<210> 1222
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1222
 ctgtgcact cgtagctgca actcactcaa cttgtcttta gcagcaattt ctgcatagtc 60
 attggcatgt tcacctacct ggatgtccgg gtgaactctc agcatgcctc cagcaaagag 120
 ggagaacttg gtggaattgg agtgaagaca gatctggtgc tcaccagggg tatgggaagt 180
 gaaagtgaac ctgccctcgg agccatactg ccggggccagg atgaccttgt cctctgggtc 240
 ctccacctcc acaaacatgc caagccccgg ggtggccggc tggtaactcct cccgctgctt 300
 gtcatacag 309

<210> 1223
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 1223
 cctggccttg gagccctgtg cctactagaa gcacattaga ttatccattc actgacagaa 60
 caggtctttt ttgggtcctt cttctccacc acgatatact tgcagtcctc cttcttgaag 120
 attctttggc agttgtcttt gtcataacct acaggtgtag aaacaagggt gcaacatgaa 180
 atctctgttt cgtagcaagt gcatgtctca cagtgtgcag tctgccactc cgagtttatt 240
 ggtgtttgtt tcctttgaga tccatgcatt tcttggttga atctcctgga actccctcat 300
 taggtatgaa atagcatgat gcattgcata aagtcacgaa ggtggcaaag atcacaacgc 360
 tgcccaggag aacattcatt gtgataagca 390

<210> 1224
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 1224
 ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
 tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
 ggagacgatg tcatcatcat cgggggtcttt aaggggggaga gtgacccagc ctaccagcaa 180
 taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240
 gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gcctgagaaa 300
 ttccagtcca agtatgagcc ccggagccac atgatggacg tccagggctc caccagggac 360
 tcggccatca aggacttcgt gctgaagtac gccctgcccc tggttgg 407

<210> 1225

<211> 250

<212> DNA

<213> Homo sapiens

<400> 1225
 ctgcagcttt gggcattttt ctttttaatt attcttcctc tgactttgta tcccttaata 60
 cctacactct ccaattgtaa gagaaagggg gcagggaagc aatatagctt ccatttctaag 120
 gctgtattcc cgttatgaat tactagctga ttacagttca gagcattgat cctggaatgt 180
 gtgctggaga aattttaaact actgggggtt tttgtttaat ggtgcctgtt tagagttgga 240
 agttgaacag 250

<210> 1226

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 427

<223> n = A,T,C or G

<400> 1226
 ccttttaggct gttgctctgg gcaggggggtg ggggtgcggg ggcttacagt gggggccctt 60
 agttggcaca ggttcggaag ggccccaggc agacatgaat tctcctgaga cttgaggtag 120
 gttgcttcag ccagcccggg cggagaagaa gggcagagag cgaacatagg agtccagtcg 180
 ggagcgaaag agctcacttt gcacagtttg gccagcggg cacaggggat tcttcaccac 240
 cagctccaca tacagcgcac tgtagatgtg gtgcagcaca tctcgatgg gtcccacgcc 300
 caagtcagta ttcatagaaa ctttgatccc agtgggcgtc tcgtagtaat ggagtttgta 360
 acggctagtt tggaaggcca ggaagccatc cttcatgtct agcggggaca tcttgctgac 420
 aaacgancgg atagagaaga gcat 444

<210> 1227

<211> 491

<212> DNA

<213> Homo sapiens

<400> 1227
 gttagcctta catgttgtgt agacttactt taagtttgca cccttgaaat gtgtcatatc 60
 aatttctgga ttcataatag caagattagc aaaggataaa tgccgaaggc cacttcattc 120
 tggacacagt tggatcaata ctgattaagt agaaaatcca agctttgctt gagaactttt 180
 gtaacgtgga gagtaaaaag tatcggtttt attctttgct gatgtccttt ctgcttgaaa 240
 taacagtcac catacagcta aaggagagga gtttctttcc ttctaagtag gcagaaatgg 300
 tatcattatg ttgccgctct ccaatctccc agagctcgct ctctagagaa tcaccttctt 360

```
<210> 1228
<211> 279
<212> DNA
<213> Homo sapiens
```

```
<210> 1229
<211> 199
<212> DNA
<213> Homo sapiens
```

```
<210> 1230
<211> 237
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 9, 12  
<223> n = A,T,C or G
```

```
<210> 1231
<211> 277
<212> DNA
<213> Homo sapiens
```

<400>	1231						
ctggaggtgc	ctcagaaggt	gcattctgct	tctctgcaggg	gcttgaagaca	ccaaggcact	60	
ccagggatcc	tggagtcaaa	gcagcagccc	cggttgttgc	actccttggg	ggtgacatgg	120	
gggtagccgc	agtccaccct	gtcctttggct	ggcacggcac	actggtttgc	agacaggccc	180	
acgtactcct	cagcagagct	ggaggacagc	aaggccagga	ccagccccag	catgcagagc	240	
gctctggcag	ccatgaccac	cgtgggctcc	gggacgc			277	

<210> 1232
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 1232
 ctgcaacttt ttttttttgc aattacagag tggatttcag ttaacagaac aacaattatt 60
 tcgtataagc tgcacagag acaactgaag atgaaaaaac taccatcccc atatataact 120
 aattttgtgct gtgcaccaac aagaacctgc tttaaatttc catgcccaatt tacaaccccc 180
 atactgtacc aggcaagggt agtggctatt gaaaatacca ccaggacagg gctatctaaa 240
 gacacattcg gtagtgtgtt aactatacaa aaaaagacac tgtacagttt aaaaacaaat 300
 cttacacagc cttacatttc aatttttttc tttaaaagga gtgagttg 348

<210> 1233
 <211> 312
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160, 163, 241, 302
 <223> n = A,T,C or G

<400> 1233
 ctgagcgtac ggccgcggtc atcccagccg cgggtgcccc cacgttgatg acagctacgt 60
 tgcaattggt ctttgggatc tgatcatccg gcagcttgat ggcaagtcgc ttgtaggtgt 120
 tcaggttgcc cgcaaagctc ctccctcgga gtcgaaccgn atnttgaaat ctccctctcgt 180
 ccatcgccct ctgcacatcc tgagtcattc gcacgcactc catcagcggc aggcgcacgg 240
 ngtggttccc gttcagtgac acgacgcaag ctgggggtgtc cgggggtggc tctagcaagg 300
 cnatgactgc ct 312

<210> 1234
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 1234
 ccggccgcgg gcataaaagg cgccaggtga gggcctcgcc gctcctccc cgaatcgag 60
 cttctgagac cagggttgct ccgtccgtgc tccgcctcgc catgacttcc tacagctatc 120
 gccagtcgtc ggccacgtcg tccttcggag g 151

<210> 1235
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 15, 17, 107, 161, 189
 <223> n = A,T,C or G

<400> 1235
 ctgcaccttn gggcntnttt ctttttaatt attcttcttc tgactttgta tcccttaata 60

```

cctacactct ccaattgtaa gagaaagggg gcagggaagc aatatanctt ccattctaag 120
gctgtattcc cgttatgaat tactagctga ttacagttca naggattgat cctggaatgt 180
gtgctggana aatttaaaat actgggggtt tttgtttaat ggtgcctgtt tagagttgga 240
agttgaacag                                     250

```

<210> 1236

<211> 154

<212> DNA

<213> Homo sapiens

<400> 1236

```

ctgatcctca ctattgtggg caccatcgct ggcatcgta ttctcagcat gataattgca 60
ttgattgtca cagcaagatc aaataacaaa acgaagcata ttgaagaaga gaacttgatt 120
gacgaagact ttcaaaatct aaaactgcgg tcga                                     154

```

<210> 1237

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1237

```

ccactggatc tttgggatta aagctctgtt ggatttgtac ctcagaggaa gatcaagtgg 60
ctgatccttt ggactctgta aagagcattc ttctagtcag agggtggaat ggcagcagca 120
actggaagaa aatgagtttt ttggtgcccc caccgaagag cacacacatg ctgcaactgtc 180
tcggaagaca gggccagcta gagccaccat gttcttcctt acctcagttt acctgcggcc 240
tgcgctgcac tgcagatgcc caccctgccc tgggtctggc cggcggaagc tctgtccaag 300
gtccacacac ctccaggttt acgccaacat ccttgtgccc tccccacctt ctcttccaac 360
gcattaggtg cattg                                     375

```

<210> 1238

<211> 454

<212> DNA

<213> Homo sapiens

<400> 1238

```

gtcaagatca agttcaatat catcgctctt ctctatgact acaaccccaa cctggcaacc 60
tacatgaagc cagagatgtg ggggaagtgc ctggactgca tcaatgagct gatggatatt 120
ctgtttgcaa atcccaacat tttgtttgga gagaatattc cggaagagag tgagaacctg 180
cacaacgctg accagccact gcgtgtccgt ggctgcatcc taactctggt ggaacgaatg 240
gatgaagaat ttacaaaaat aatgcaaaat actgaccctc actccaagag tacgtggagc 300
acttgaagga tgaggcccag gtgtgtgcca tcatcgagcg tgtgcagcgc tacctggagg 360
agaagggcac taccgaggag gtctgccgca tctacctgct gcgcactctg cacacctact 420
acaagtttga ttacaaggcc catcagcgac agac                                     454

```

<210> 1239

<211> 483

<212> DNA

<213> Homo sapiens

<400> 1239

```

ctgccaggct gaaaagaagc ctcagctccc acaccgccct cctcaccgcc cttcctcggg 60
agtcaattcc actggtggac caccggcccc cagccctgtg tcggccttgt ctgtctcagc 120
tcaaccacag tctgacacca gagcccactt ccactctctc tgggtgtgagg cacagcgagg 180
gcagcatctg gaggagctct gcagcctcca cacctaccac gacctcccag ggctgggctc 240

```



```

aggaaaaacc agccactgct ttacaggaca ggggggttgaa gctgagcccc gcctcacacc 300
caccatcatg cactcaaaga ttggatttta cagctacttg caattcaaaa ttcagaagaa 360
taaaaaatgg gaacatacag aactctaaaa gatagacatc agaaattggt aagttaagct 420
ttttcaaaaa atcagcaatt cccagcgta gtcaagggtg gacactgcac gctctggcat 480
gat 483

```

<210> 1240

<211> 358

<212> DNA

<213> Homo sapiens

<400> 1240

```

cctttatgga tgaaagtacc cagtgccttc agaaggtgtc agtacagctc ggaaagagaa 60
gcatgcaaca attagatccc tcaccagctc gaaaactgtt gaagcttcag ctacagaacc 120
cacctgccat acatggatct ggatctggat ctgtcagtg actttatgag agtttctgcc 180
acaaggtgcc caagaggaga ggaatgggaa gagtgcacca gcacgtggtg actgcgtgat 240
ttctgctcra tgcctttmts atamstgacc aactgasgg cgaattmcag cacactggcg 300
gccgttacta gtggatccga gctcgggtacc aagcttggcg taatcatggt catagctg 358

```

<210> 1241

<211> 194

<212> DNA

<213> Homo sapiens

<400> 1241

```

ccaaagggttc gtaatgccat ctctgcacca atctcctccc ccatagcaat aagggcaatc 60
cccagaacag ccaactccctg atgtgctccc atgtcagcag gggttcctt ctgtccttg 120
tctttctttt ccttcttctg tttgtcttcc tccttctctt tggagtcaaa gtgttcgcta 180
caaagtgtga gcag 194

```

<210> 1242

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1242

```

ccttgcttctc actgccctct aagggaactt ggtcactcgg cactttttaag cctcagtttc 60
tcagttcaa taataaggac aagagctttt cccatgcatt ctctttcccc gggaaagttg 120
actgaggtga ccagtaatag aattgaaaag ggagagtgtc ttcagtgcac tgtggcatcc 180
tggtattgggt cttggaacaa aaacaggaca ttagtgggaa aattggaaat ctgaaaaaag 240
tctgaatttt agttaatata ccaatttcag tctcttggtt ttgacagatg taccatggtg 300
atgtaagatg ttgacc 316

```

<210> 1243

<211> 275

<212> DNA

<213> Homo sapiens

<400> 1243

```

aaaagggtga tgaaagtatt atgtataata ttataatggt aaatatgtga tatgaatttg 60
ttgaaatcaa cagaatatac agcataaagg gttaattcca attcacaaaa atataaataa 120
ataggagatt aggaattcca ggatagaatg cagacaatat agaaaatata taatgtcatt 180
acaaatgtat gaaatcagaa gaggtgccaa gtgacctcag aaatagtgtg gtcaataaaa 240
gaataaagaa agtgcacgtc agaactgtac cccag 275

```

<210> 1244
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 1244
 ctgctgctgt tggataacaa gtaattcaac gcacgcactt aacagaaatg ttaaactata 60
 acaagcacca ttgaggatt aacaggaaca tttttttgaa gatttcaaac gaactcgact 120
 ttcagtataa ttgtacctaa agtatttata aacagctcat cggagcctct atttgtcata 180
 gacttttgag ttgattgttg ggaccacata ataggacat ttttttttg tcttt 235

<210> 1245
 <211> 640
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 565
 <223> n = A,T,C or G

<400> 1245
 ctgatgatgt tccacaaaag agcaaaacat acacaatctg gttccactct acagaaatcc 60
 tggaaactgga ctacaaaggg aatagacagg gtgtggcagg aggggggttcc tcacggttgg 120
 agtgcgagggt tagggacagg aatagaaggy aggtaataaa cattcatgtg gtattaacag 180
 ggcagatgtg tcaatrtatt tscaagttaa gcataatata ggtataaaaa ttaaataaaa 240
 atagtttaka tgtgtgtgta tatatgggtt aatacacacac acatacctcc tagagtcatt 300
 acctgagagg ttctacaaga aaagacagca aattaacaaa aaatacacccc agaatcaaga 360
 tttgagtttt gggttcctttc atagcagaat ggtatgcaac atttcttggg aaaatggcta 420
 atcctagggc ttggaaagag aatataggag taaagtctac aatttctcat ggtaccaga 480
 aaataagaaa gggttccaaa atgaagaatc gctccttttg caaaccttat ggtaacaaat 540
 ataatattta taaaaagtga attangtaat atgttaaatg agaaataaac atcattatga 600
 aatgctatct taacaaaaaa targagaaaa twttagtttt 640

<210> 1246
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 1246
 aaactttcaa agaatcactt ttaggcttac aaaaataaat atttgtcaaa atgttcaata 60
 aatattacat aaaactagca gcaaaaagta tctagaaatc tgtcgtgtgc aaatagtttt 120
 cttcccaact atcattccca tggccccaaa taaatttttag aatctagtcc catccccttc 180
 ctgacaagc tgcgttcaac aatctccaag agacaaaagta agattggaag ttttaaggaca 240
 cgcacacaag acatatatat aaaattctct gaatgtgcaa taaaagaagt actttgtaaa 300
 aagttatggg caaaatgtac aagggcctaa acctagacta attgaaatag caccataaca 360
 aatgacctca atactgtcaa gtgcacctac ttaataaaaag ttttagaaca aggcacaata 420
 cacttgaaaa tctattgcac tttaggaaat ttttgccgtc ttcctatgcc actgtaaaaa 480
 gatggagcgt tttgatcacc gcattctgg 509

<210> 1247
 <211> 310
 <212> DNA

<213> Homo sapiens

<400> 1247

```

catatgtgga actattcttg gaaagtctac aaagtgaat ctatcgagtt atttctcatt 60
tgcaaagtga tcctttgagt catttctcat aatctataat ctgaatgta atactgatat 120
ttttaaaagc cctacatccc aacagaccag gccatctaga tatttcagcg tgggtgtctca 180
ggatgagtaa acaaacagct aaaaatatat gacttatgta aactagagtt acaggagtta 240
ctagcttttc tgaaagggat atattctaag tattttttct taaaaaaaaa aaaarggggg 300
gggggggggtt                                     310

```

<210> 1248

<211> 640

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 604

<223> n = A,T,C or G

<400> 1248

```

aaagatataa aactatggag aaaactgcta aagggtatcc ctgaccttta tgatgatgca 60
gctattttcg aggccaaaaa atcattttac tgggcaagaa aaacatctca ttcctttgtc 120
gtgaatatcc ttgctcaggc tctttatgaa ttattttctg ccacagatga ttccctgcat 180
caactaagaa aagcctgttt tctttatttc aaacttggtg gcgaatgtgt tgcggggtcct 240
gttgggctgc tttctgtatt gtctcctaac cctctagttt taattggaca cttctttgct 300
gttgcaatct atgccgtgta tttttgcttt aagtcagaac cttggattac aaaacctcga 360
gcccttctca gtagtggtgc tgtattgtac aaagcgtggt ctgtaatatt tcctctaatt 420
tactcagaaa tgaagtatat gggtcattaa gcttaaaggg gaaccatttg tgaatgaata 480
tttggaaactt accaagtcct aagagacttt tggaagagga tatatatagc atagtaccat 540
accacttata aagtggaaac tcttggacca agatttggat taatttgttt ttgaagtttt 600
tggnatataa atatgtaaat acatgcttta attgcaattt                                     640

```

<210> 1249

<211> 1108

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 527

<223> n = A,T,C or G

<400> 1249

```

caaaaataat ttcaattcaa tgaaaagtaa ataacttagg gatctataaa tgacactgca 60
atgtatcttg ttccattttt aacaggaagt ccttcatgca aatgtgtgag tctcccagga 120
tgcatgaagc tccagccttt tcgtgggtgac tcaatagagc aattgtacct taaaaatktg 180
caaccacctc cctgaaagtc ttctcccacg ttattaagtg caatgyttat ggtaaagtga 240
gaagcatcat gatgaggacg aagagaacgc tgtcgttcag gggagtattt tactacaaaa 300
ttcagtagtg caaatccctt cgtataatag cctgcaaaga ccttcagtgt aactgggtgca 360
atgaactccc ggataaaatg aagccataca ttctccagat caacttgctt catgtggata 420
tcatcagttg ggacattttc ataaccacca gatatacggc tatcatgatg tttttcccca 480
gaccatttgc cgtaatgttc catttcttct accaattcat cacaggnctt tttcagaaaa 540
tatggggaac cmaaaagaca tctggacagg gctgttcaam ctatatatttc agtgaaaatc 600

```

```

tttgaataat ccmcggttta tatacttttc cttccagttcc acaggatttt caaaaatctg 660
ccagaggcca ttgttataat gggaagtatt gtaattagca gtggataata gccttccaaa 720
ttcatgtcta ttagaaatgt acataaatac accctttggg gggctgagca tttggaatgt 780
ttccggagta ggggagtcct tttccctttg taaagtcatt tctctagcat ttcggcaaag 840
agccatatca ggatccagtt tatcacgaac aaaatagctc ctttcattca tctctgatcg 900
gagtgtcttt cctttaatta agtacacatt agccatatat gggacattcc atactcctac 960
tctattccct tgaacaatat ccacataatc ttcagatcgt gcatagtatc catcaggact 1020
caatgctccc cagaaattgg accacagctt tccatgacga gttacaagag gagcaatgat 1080
ctttctgttt tgttcaatca aaattttt 1108

```

<210> 1250

<211> 567

<212> DNA

<213> Homo sapiens

<400> 1250

```

ctgaatattg aactggaagc agcacatcat taggcctttat gactgggtgt gtgttgtgtg 60
tatgtaatac ataatgttta ttgtacagat gtgtgggggtt tgtgttttat gatacattac 120
agccaaatta tttgttggtt tatggacata ctgccctttc attttttttc ttttccagt 180
tttaggtgat ctcaaattag gaaatgcatt taaccatgta aaagatgagt gctaaagtaa 240
gcttttttag gccctttgcc aataggtagt cattcaatct ggtattgatc ttttcacaaa 300
taacagaact gagaaacttt tatatataac tgatgatcac ataaaacaga tttgcataaa 360
attaccatga ttgctttatg tttatattta acttgtatct ttgtacaaac aagatttgtg 420
aagatatatt tgaagtttca gtgatttaac agtctttcca actttttcatg atttttatga 480
gcacagactt tcaagaaaat acttgaataa aaattacatt gcctttttgtc cattaatcag 540
caaataaaac atggccttaa ctaaaaa 567

```

<210> 1251

<211> 655

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 161, 175, 193, 200, 211, 212, 223, 228, 324, 396, 518, 546,
559, 565, 571, 584, 597, 601, 610, 613, 622, 639

<223> n = A,T,C or G

<400> 1251

```

gaaagaaacc aatttaatgc caccaaacat aagcctgcta tacctgggaa acaaaaaatc 60
tcacacctaa attctagcag agtaaagcat tccaactaga atgtactgta tatccatatg 120
gcacatttat gactttgtaa tatgtaattc ataatacagg nttaagggtg gtggnatgga 180
gctaggaaaa ccnaaggagn aggaaattat nnaaaagaac tgnaggtnaa gtataaagtc 240
atatgcctga tttcctcaaa ccttttggtt ttcctcatgg cttctggctt tatattttta 300
tcacaaacca agatctaaca gggntctttc tagaggatta ttagataagt aacacttgat 360
cattaagcac ggatcatgcc actcattcat gggtgntcta tgttccatga actctaatag 420
cccaacttat acatggcact ccaaggggat gcttcagcca gaaagtaaag ggctgaaaaa 480
gtagaacaat acaaaagccc tcgtgtgggg ggaactgngg gctcactctt acttggcctt 540
cattcnaaac aggttgggnc tttcntgcga ngatctctca gggnggtaaa aactttntgg 600
ntttcaacan aanaggtttg gntgaatgat tactcggcng acacctaagg gatcc 655

```

<210> 1252

<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 653

<223> n = A,T,C or G

<400> 1252

```

aaantgcaaa aaaccagaag accaataatt ctgaaacttg gcatgagtgt gcccagtcag 60
cagcttgcaa agagaggatg tgtcagttac tacaattgct gtactccttt agctgagtc 120
ttcaactttc tccttcttgc cagtaaatac tacgttgtaa ttcatatgac tgagatctta 180
gtatcacagg atttttagct cccatgcctc cttcaaaatt gtttacatgg atttgtttct 240
attctctgta ggccatattc caaacacatt cacttctaaa tccaacacaa gtgaaggacc 300
agccaggatg aaacacttca gcaatcattt tgttaaaaat aacatcctgg tcatcaagct 360
aagcataagc acctcttgta taacaattca tcttaaaagc tttaaagtaca ataataaaaa 420
taactgcctg aaaactggaa atgaaataca acagaaaaac tgaagcatta gtaatttttg 480
caagtaaccc aggtacagta catttgattt catagagggt gtttctgat gtttaaggag 540
agggtagaag gggtaggaaa acttggaag gaagatggaa acagcacacac cagttatttt 600
gcttttaata aagtaaatgt aatgacagga gtagggagggt gacaaacaca tcnatatata 660
ttttcttat gg 672

```

<210> 1253

<211> 644

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 578, 582

<223> n = A,T,C or G

<400> 1253

```

ccaaatatatt gttagaaact tctggttaact tagatggtct ggaataacaag ttacatgatt 60
ttggctacag aggagtctct tcccaagaga ctgctggcat aggagcatct gctcacttgg 120
ttaacttcaa aggaacagat acagtagcag gacttgctct aattaaaaaa tattatggaa 180
cgaaagatcc tgttccaggc tattctgttc cagcagcaga acacagtacc ataacagctt 240
gggggaaaga ccatgaaaaa gatgcttttg aacatattgt aacacagttt tcatcagtgc 300
ctgtatctgt ggtcagcgat agctatgaca tttataatgc gtgtgagaaa tatggggtga 360
agatctaaga catttaatag tatcgagaag tacacagaca ccactaataa tcagacctga 420
ttctggaaac cctcttgaca ctgtgttaaa ggttttggag attttaggta agaagtttcc 480
tgttactgag aactcaaagg gttacaagtt gctgccacc ttatcttaga gttattcaag 540
gggatggagt agatattaat accttacaaa gagattgnag anggcattgaa acaaaaaaatg 600
yggactattg aaaatattgc cttcgttctg gcggagggtt gctc 644

```

<210> 1254

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1254

```

aaagggcatt tgaggggagg attattgcta tgaatgaaaa aaatatattta gcttagacta 60
agctacctgc cttcaaaata gtttagggac caccaccata ttttatattg tttttatttt 120
tgaacatttt tctaattgatt tggagagaaa actatttaca aaaattccac atatcagtga 180
tacaattttc tgctgtcacc aattttttat aatagcagag tggcctgttc taagaaggcc 240

```

```

atatttttta agttatcttt cagggttaaca tggaaatact ataaagttgg atgtcaaact 300
ttaatatggt ttcagtgttc tctaattttt tggaaatttt gtagacttta cacctggaaa 360
aaaagatttg taaaatcacc ggaacaattg tgtgctttat tttataggta gtggttatta 420
gtattacatc cccattttt                                     438

```

<210> 1255

<211> 519

<212> DNA

<213> Homo sapiens

<400> 1255

```

caagcacagg ggagtttata gttctgatgt ctttgacatt ttccctggaa cataccaaac 60
cctagaaatg tttccaagaa cacctggaat ttggttactc cactgccatg tgaccgacca 120
cattcatgct ggaatggaaa ccacttacac cgttctacaa aatgaagcat cttctgagac 180
tcacaggaga atatggaatg tgatctaccc aatcacagtc agtgtgatta ttttattcca 240
aatatctacc aaggaatgac caggagaata agatcctccg atgttcgcaa tgggtgtggtg 300
tcaggagggt gcctcttaga caatctccag atgtactgtg atgtgagttt gaaaaagagt 360
tcctgaagta ccacatctgg gagacatgcc actagctgag ctccccaaaa gtctaccaag 420
agctgaggaa ttgtatcttc atccttagca caaagcacct taaaaacagt aaaaggagcc 480
tctatattcc agataaatat agcactgata aagcgacag                                     519

```

<210> 1256

<211> 178

<212> DNA

<213> Homo sapiens

<400> 1256

```

ccatgcagga gttcatgata ctcccagtcg gtgcagcaaa cttcagggaa gccatgcgca 60
ttggagcaga gggtttaccac aacctgaaga atgtcatcaa ggagaaatat gggaaagatg 120
ccaccaatgt gggggatgaa ggcgggtttg ctcccaacat cctggagaat aaagaagg 178

```

<210> 1257

<211> 255

<212> DNA

<213> Homo sapiens

<400> 1257

```

gggtccactt gctgccccat cattgtatca ctttccttca atcttttggc tgccactctc 60
atgtagggat ccacggtgag gaacaaagct tcaagcagga cctctccatt ttttaagggc 120
gggagctcag atgtcttcaa ctcaaagtca ctattagtag gatagccaac aaagtgcctc 180
ttcagggtcc atgtcttagt acgaaccatc ctgaagctca ggagcccga ggttccactg 240
cctggggaag gcggc                                     255

```

<210> 1258

<211> 630

<212> DNA

<213> Homo sapiens

<400> 1258

```

aaaactaaaa gcatcactgc tgaactccag ctcaagtctc ccattttata atgaggactc 60
tgaagtttat agagggtcaag gacttgtcca aagctttaga tatgtagtgt ctgtgccctt 120
ttcctctaag tttctcctag agaattgtgg ggctcaggaa cagagaaaat aagggtgcaa 180
aagtagaaat ggggtggtgt tctcaaagtg tgggtccatc gcatcctagt gactgggggtg 240
cttgttaaaa tgcagattgc tgggccttat cccaatctga ccaaatcatc tcaggatcta 300

```

```

ccttttgaac aaacttgcct aggtcaaatt cactcttgtg gaagtttaag tacttcagaa 360
acaagacagc cacagaaggt gcacctgcta atttgggtggc ttccagtgcc tcatctgtaa 420
cttctgggtga aatcctgaga tgtcttactt tacattgttt acatcccata acattccaac 480
atttagaaat tcactcgagc ttatttttct tacttgttta gcactaaatg aaaatagctc 540
cctgaagtta aggagtttat atacagtaat tcatgcaagt gtgtaaatta aacagatgac 600
tttccccctt aatatctaag gcacagcaag 630

```

<210> 1259

<211> 159

<212> DNA

<213> Homo sapiens

<400> 1259

```

aaaatttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60
caactttcag gccacagttt tgaaggctcg aagtattaag ttggtttgat gaattagtcg 120
gttggcactt acgaacacat ttattgcctt gccatcttt 159

```

<210> 1260

<211> 115

<212> DNA

<213> Homo sapiens

<400> 1260

```

aaaaatacta taatttcaaa acttccaaat ttcaacagat gccagtgttc tctccttttt 60
tcatatggga aaatttcttt caaaattatt tgacgcttgg acaaaaattc cacag 115

```

<210> 1261

<211> 280

<212> DNA

<213> Homo sapiens

<400> 1261

```

aaaatattgt ttatctttat ttattttgtg gtaatatagt aagttttttt agaagacaat 60
tttcataact tgataaatta tagttttgtt tgtagaaaaa gttgctctta aaagatgtaa 120
atagatgaca aacgatgtaa ataattttgt aagaggcctc aaaatgttta tacgtggaaa 180
cacacctaca tgaaaagcag aaatcggttg ctgttttget tctttttccc tcttattttt 240
gtattgtggt catttcctat gcaaataatg gagcaaacag 280

```

<210> 1262

<211> 144

<212> DNA

<213> Homo sapiens

<400> 1262

```

aaattatttg atgagttcca cttgtatcat ggcctaccg aggagaagag gagtttgtaa 60
actgggccta ttagtagacc tcatttacca tcgwtgtat tactgaccac atatgcttgt 120
cactgggaaa gaagcctgtt tcag 144

```

<210> 1263

<211> 487

<212> DNA

<213> Homo sapiens

<400> 1263

```

aaacatcttg ataatttggt gttgagagct gttcattcta aaatgtaatg aaattcagtc 60
tagttctgct gataaagatc atcagttttg aaaggttact gatttttctc ttccctctta 120
gttttttacc caatatatgg agaagagtaa tgggtcaatct taacattttg ttttaattgt 180
ttaataaagc tgctgggcag tgggtgcagca ttctaccta gtgtcataaa agcaaaatac 240
ttacatagct ttcttaaaat ataggaatga cattacattt ttaggagaaa gtaagttgct 300
ttgcaccgcc tacttaattc ttttccatat attgtgatac aaacttttga atatggaatc 360
ttactatttg aatagaaatg tgtatgtata atatacatat atacataagc atatatgtgt 420
gtgtgtgtgt gtatatatat atatatgcat gctgtgaaac ttgactacac aacataaatc 480
acttttt 487

```

<210> 1264

<211> 250

<212> DNA

<213> Homo sapiens

<400> 1264

```

ctgcttcaac agagtggcag caaccaagct ggagtccaag cccctgata aaaggcagcc 60
aatccttctg tctgtcatca aacgttttct tacagcatta ttaaaaagga tcctgaggtt 120
gttcttcaca gtttctatct caaaacctgg aaagagtttc tccacattgt catagagggc 180
gtgcaggggt tcattcccagc agtgatgata ttttaaccatt tccacggatg caactttgcc 240
atttggttt 250

```

<210> 1265

<211> 394

<212> DNA

<213> Homo sapiens

<400> 1265

```

aaatatttgt tccaaccttt ttcgttgggt gcatttatgg ctttggagca ctgtcaggcc 60
catgttcatt accgtgagct cctgtgcatc tcctaatttc caaactagcc tggaaaacgc 120
ctccattgac catgattgggt tcatggctct gtgcatggaa catcatatgt tcaggagat 180
aaagaactct gatagtggca cctgggtaaa aagtacaatc cattatatct ggatatcaag 240
atcttttgcg gttgaagaga ggtattgcca cagagaaaat tataggagca gaagaaagtc 300
aatgaaagtc aatgatgaca ctccattagg aaccagaaaag atggtattta tttatacata 360
taataggtgt aagagattag aggaagcctg tcac 394

```

<210> 1266

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1266

```

ccacagttgt atcatatagc atctctaaca tttcatctag gattatctag tatagatctt 60
actatatttg gggctatgtt gtatacaatg ttaacaagaa catatcttct ctgcatatat 120
gtgtgaatta taaagaaaag catgagaatg actctaagtt caacaaacat ggggtgaatc 180
ctatgtgctc ccagtgtcct ggatgggctc cccagcaagc cattcctcc 229

```

<210> 1267

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 658

<223> n = A,T,C or G

<400> 1267

```

aaatccttatac aacttttccaa attttccatac taaaatatat tattgtatta atacaaacta 60
cagtattata cactacactg tgtaataaat aaagaaatat aaaaataaga cacataaata 120
taaaagtttt ctaaaactaa agtacatat gtcagtaaga agggatttaa tactgccagg 180
tttgaagaca tacagtacaa aaatgttgca cagatctata aactaaaaga aataaaataa 240
tactgatagg taaaaatcag ctaatgttgt taataaattg ggtccataat aactaacatt 300
tggaacagc tatgagccaa ataacaatag catgtccatg tctgaaatgc aagtacatgg 360
ataaagcaga ttagaaaatt tccctttcgt ttctgtagag aaattctgaa aatcaatcaa 420
cataaaatca ataccgagga attgaaggat gaaatgtccc agtgtttcag tttctctgac 480
agagtcagtg gttttaagtt ttatttgagg attttgatac aagagacaaa tcaacaaatg 540
ctagttattg taggccacac attggatgaa ggcgggttag agccttgaaa atactgagaa 600
atggcactta cagcacacag gtcttgctta agggcaaagg agatacaaag cttcatgnca 660
tatccttcat atggtaccac atattcaaac accatcccaa cactgatctg atgattttgc 720
tg 722

```

<210> 1268

<211> 407

<212> DNA

<213> Homo sapiens

<400> 1268

```

gatgacacaa gcagctaata accatttctg ggtttctgcc taacccocta attgtctgtt 60
aaagccaatt ctctgggtgt cccagtgaat ggtggctttt tttctttcca cattggcaca 120
ttcacttctc ccactcttgg catgtaagaa ataagcattt acataattgg aaaaatctgg 180
atttctgatg ccaaaggggt aaagcttctt ggatttcatt tcattgatat acagccacta 240
ttttattttt gatcagtggc ctttgggcca ctgttcaggg tactgacat cagtgtcagc 300
attaggggtt tggtttttgt ttcttttggg tatttctttt ttggcacatg tgaatcttgt 360
tttgtgtaaa atgaaattac tttctcttgt tctctgatga tgggtttt 407

```

<210> 1269

<211> 675

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 613, 629, 643

<223> n = A,T,C or G

<400> 1269

```

ctgaaaaaga gtgatcctca atatcctaac taactggtcc tcaactcaag cagagtttct 60
tcaactctggc actgtgatca tgaaacttag tagaggggat tgtgtgtatt ttatacaaat 120
ttaataacaat gtcttacatt gataaaattc ttaaagagca aaactgcatt ttatttctgc 180
atccacattc caatcatatt agaactaaga tatttatcta tgaagatata aatgggtgcag 240
agagactttc atctgtggat tgcgttgttt cttagggttc cttagcactga tgcctgcaca 300
agcatgtgat atgtgaaata aaatggattc ttctatagct aaatgagttc cctctgggga 360
gagttctggg actgcaatca caatgccaga tgggtgtttat gggctatttg tgtaagtaag 420
tggtgaagatg ctatgaagta agtgtgtttg ttttcatctt atggaaactc ttgatgcatg 480
tgctttttgta tgggaataaat tttgggtgcaa tatgatgtca ttcaactttg cattgaattg 540
aaattttggg tggattttata tgtattatac cctgtcacgc ttctagttgc ttcaaccatt 600
tataaccattt tgnacatatt tttacttgna aatattttacc tgncccggcc ggccgtcgaa 660

```

agggcgaaaat tcaac

675

<210> 1270

<211> 268

<212> DNA

<213> Homo sapiens

<400> 1270

```
ccatcctggg cggagctaaa gttgcagaca agatccagct catcaataat atgctggaca 60
aagtcaatga gatgattatt ggtggtggaa tggcttttac cttccttaag gtgctcaaca 120
acatggagat tggcacttct ctgtttgatg aagagggagc caagattgtc aaagacctaa 180
tgtccaaagc tgagaagaat ggtgtgaaga ttaccttgcc tgttgacttt gtcactgctg 240
acaagtttga tgagaatgcc aagactgg                                268
```

<210> 1271

<211> 307

<212> DNA

<213> Homo sapiens

<400> 1271

```
cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat 60
ttgatgactt ccgagaagca tattattggc ttcgtcataa tactccagag gatgcgaagg 120
tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaatttttag 180
tggaacaata cacatggaat aatacccata tttctcgagt agggcaggca atggcgtcca 240
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt 300
ttggagg                                307
```

<210> 1272

<211> 798

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 613, 619, 703, 726, 773

<223> n = A,T,C or G

<400> 1272

```
ccattgctag aaattgaatc acaaataata gctaataatt tttcattttt caaaaaagat 60
catttgata gcagctatgt ataaaatgga aaataaaaaa ttattctatt ttgcatgaat 120
agttcagact ttcccatacc acagccaagc agtaactaaa attaggatct taattttcaa 180
tgataaaagg tctaaggttc atttaattat gtccttttaa cactgtcttt ctagattttt 240
caccagtat tttcaaaatt tgggaatgta aacaattgat atattttatt tatgttggct 300
agcagttcat ctttctgcaa aatatgcatt cagagaaatg tgaagcttgt tttaatgaag 360
acttaaacca tttgtgtcat ttgtgttttc atattcaaat acaccaaatt aaaatttctga 420
acctatattt ttcattcatta acttcctaata ataccagaac atataccttt ttcatgtaaa 480
gttggcaatg ggatatggca gttttatttt tgaaaaatat gtaacatgac tttaatattt 540
ttatagtttt cagaattaga aacataggaa gggaaaatgt ttttaattaga taagtcaact 600
ttttatgggc tgnagtggng actataatag caaattataa agcattatta aatgggtata 660
ataattttta tattacctca ttatgaatta actaaaataa agnggagtga tatttttaaa 720
gggtgntcat actggagctc ctgagatata tgatttgcta ttgactcact ggntgattga 780
ataatatatt actcgcgg                                798
```

<210> 1273

<211> 664
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> 623
 <223> n = A,T,C or G

<400> 1273
 aaaatatacc ttttcacagg tagcaagaaa tagtacatgt aataagtctt tatgactgga 60
 atgatccaga aatatcacaa agcatgagta aacacatata taaaagtagc tcatcatttc 120
 caaaagttaa ccttttagcct ttgtgtaaaa taaatggtgc caacaatctt tataatgtag 180
 caagctttcc ctgtttaata tccaaaaaat ggagggtggg gaggttgaag aaaaataaga 240
 aaagtttagca aataagatag tgaaaagacc aatgcagaga aaagtttatg taatcaaadc 300
 ttgctttgtc tccacattat cacattttta gtggataaat ttatgtaaac agaaaaagat 360
 gtccacaaaa ccataatctat agatgtcatt tggaagcatc aagaaattga taagtattgtg 420
 gtgaattaaa attactttta taatgttttg ctttcattaa tgtttgttat tgcaaaaatg 480
 taagatttcc tacaattttg tcttcaaadc ccaatctagc ccttcaaact tttatccagg 540
 ttctccagaa tatttggagt ctttgttatc aaagcacaag gaaagctggc attcattatc 600
 agacttcgct gctttacaat ganttcaaat catttcatga tacaataaaa gtgcctctga 660
 ctgg 664

<210> 1274
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 1274
 ccacaataaa gtttacttgt aaaatttttag aggccattac tccaattatg ttgcacgtac 60
 actcattgta caggcgtgga gactcattgt atgtataaga atattctgac agtgagtgac 120
 ccggagtctc tgggtgtacc tcttaccagt cag 153

<210> 1275
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 1275
 aaaattctga taaaaattta ctcaattaca ttttatacat taatatttag tgaattttgtc 60
 caaaaaggct atgtttaatt tatgtgtaaa aataacaaaa gatgtatcag tcagtctctg 120
 ggcaataaga aaggaagaaa gccttgctag aaataataaa taatctcacg caaaaggcca 180
 ggtgacataa gaataactaca ataataataa tgttttcttt gtatttacia taaaatccat 240
 ctgttaacac tgtgatagaa aaaataatca gtccacatca tgtaataaaa acaggctttg 300
 aggatgatta tacctcttat aataaaaaaca tacaaggatt tctcacagct aaagtacttt 360
 tcaactttga caactaatga cagtcattgg tgaaggtaaa actgacagag tacttttagat 420
 cagctatgtc ctacagtcaa ggaatcaagg gcattaccba tttaccaagc agcaaaaagc 480
 actttcattt ttccagaact attt 504

<210> 1276
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 1276

```

gacaatgatg tcaactgtttg gagccccag ggcaggattc atcaaattga atatgcaatg 60
gaagctgtta aacaagggtc agccacagtt ggtctgaaat caaaaactca tgcagttttg 120
gttgcatgga aaagggcgca atcagagctt gcagctcatc agaaaaaat tctccatgtt 180
gacaaccata ttggtatctc aattgcgggg cttactgctg atgctagact gttatgtaat 240
tttatgcgtc aggagtgttt ggattccaga tttgtattcg atagaccact gcctgtgtct 300
cgtcttgtat ctctaattgg aagcaagacc cagataccaa cacaacgata tggccggaga 360
ccatatgggtg ttggtctcct tattgctggg tatgatgata tgggccctca cattttccaa 420
acctgtccat ctgctaacta ttttgactgc agagccatgt ccattggagc ccgttcccaa 480
tcagctcgta cttacttggg gagacatatg tctgaattta tggagtgtaa ttt 533

```

<210> 1277

<211> 78

<212> DNA

<213> Homo sapiens

<400> 1277

```

ccacaggaag ttgcaaaaat tagatggact ctgtgtagct agccactctt gagtgtcagg 60
tctgcatatg tgagtttt 78

```

<210> 1278

<211> 560

<212> DNA

<213> Homo sapiens

<400> 1278

```

aaatatctaa aacaatggcc cactgaagaa aggaacaatt aactctttaa ttaattcctt 60
aggataagta cccagaaatt taacagctag ggcagacttc taatacaata ccgaaagtcc 120
ttccaaaaac caagtgggtg ccaacttatg tcccttagca ttataacatt cttgagccaa 180
tagtgtaaaa atacgctgac aattttatag gcaaacatta ctcaagggtat cttactttcc 240
acttattact aaagtaatta acccctaaat agatgctcct caacagtggg actacatcct 300
ggtaaaccta tcataagttg aaactatcaa gttgaaatgc atttagtacc cggataaaacc 360
tatcataaag ttgaaaattt gtaaattgaa ccagtgtaaa tcagaggcca tcttacttca 420
tactcatgaa gcaactatag tgggatattt ttcaacttac gagatagcct aggcttgttg 480
aaacactgtc ctaatttact ggctctctgg taattaagtc ataaatggtc aaacatcaaa 540
ttctagaaaa gcataatatt 560

```

<210> 1279

<211> 580

<212> DNA

<213> Homo sapiens

<400> 1279

```

aaaggagatt gtttcaaaaat atttttgcaa attgagataa ggacagaaag attgagaaac 60
attgtatatt ttgcaaaaac aagatgtttg tagctgtttc agagagagta cggatatatt 120
atggtaattt tatccactag caaatcttga tttagtttga tagtgtgtgg aattttattt 180
tgaaggataa gaccatggga aaattgtggg aaagactgtt tgtacccttc atgaaataat 240
tctgaagttg ccatcagttt tactaatctt ctgtgaaatg catagatatg cgcagtgtca 300
actttttatt gtggtcttat aattaaatgt aaaattgaaa attcatttgc tgtttcaaag 360
tgtgatatct ttcacaatag cctttttata gtcagttaatt cagaataatc aagttcatat 420
ggataaatgc atttttattt cctatttctt tagggagtgc taaaaatgtt tgtcacttaa 480
atttcaagtt tctgttttaa tagttaactg actatagatt gttttctatg ccatgtatgt 540
gccacttctg agagtagtaa atgactcttt gctacatttt 580

```

<400> 1283						
aaacacaaca	gctataaacc	tgaacacata	tgctatcatc	atgccataag	actaaaacaa	60
ttatatTTtag	cgacaagtag	aaaggattaa	atagtcaaAT	acaagaatga	aaaacgcagt	120
acatagtgtc	gcgaactcaa	atcggcattt	agatagatcc	agtggTTtaa	acggcacgTt	180
tttgcttata	aaaaaaagtc	aaaaaagatg	tggtttacaa	gttaaagcta	cagaatccct	240
ttttgctgta	attgcaccag	ttttaaagcc	tctggacaga	gcagtatttc	gtttaaaact	300
ttgttyttct	taaaagctta	cagtgtttgg	ctaattctcc	tcyccttttt	acaagacggg	360
ggccggaggg	tggacactgg	tggcaggtta	agggatactg	tcactttaag	aagcctgcag	420
attgaagtgt	aaacatggag	aaattagggg	ctgatttttt	aaactgtgtg	agatattaac	480

```

cagccgcctt gttataaaat caggaaatcc aaacagcgat ttacaccgat taacaccccc 540
tttatatatt ttttacaaaa atacactgag aaaataatca aacgttttca tctctcttgt 600
ctttttttgt tttttaaaag tgtcaaaagt ctacattt 638

```

<210> 1284

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 715

<223> n = A,T,C or G

<400> 1284

```

cgacggtatc gataagcttg atatcgaatt cctgcagccc gggggatcca ctagttttga 60
atttacacca agaacttctc aataaaaagaa aatcatgaat gctccacaat ttcaacatac 120
cacaagagaa gttaatttct taacattgtg ttctatgatt atttgtaaga ctttcaccaa 180
gttctgatat cttttaaaga catagttaa aattgctttt gaaaatctgt attcttgaaa 240
atatccttgt tgtgtattag gtttttaa ataccagctaaa ggattacctc actgagtcac 300
cagtaccctc ctattcagct cccaagatg atgtgttttt gcttacccta agagagggtt 360
tcttcttatt tttagataat tcaagtgtt agataaatta tgttttcttt aagtgtttat 420
ggtaaaactct tttaaagaaa atttaatatg ttatagctga atcttttttg taactttaaa 480
tctttatcat agactctgta catatgttca aattagctgc ttgcctgatg tgtgtatcat 540
cgggtgggatg acagaacaaa catatttatg atcatgaata atgtgctttg taaaaagatt 600
tcaagttatt aggaagcata ctctgttttt taatcatgta taatattcca tgatactttt 660
atagaacaat tctggcttca ggaaagtcta gaagcaatat ttcttcaa ataaaanggggt 720
taaactttta aaaaaaaaaa aaaaa 745

```

<210> 1285

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1285

```

cgacggtatc gataagcttg atatcgaatt cctgcagccc gggggatcca ctagttatta 60
atagtaatca attacggggg cattagttca tagcccatat atggagttcc gcgttacata 120
acttacggta aatggccgcc accgcggtgg agctccagct ttgttccct ttagtgaggg 180
ttaattgcgc 190

```

<210> 1286

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1286

```

ctgcattctt ctacaattct accagcaata tatgaggggt acaatttctc yccattcttg 60
tgaacgcttg ttagagtctg tctcttttcc ttccattctg tgggttggt ttttactttc 120
taaattggtag aaccttcaaa gcacaaagggt ttt 153

```

<210> 1287

<211> 232

<212> DNA

<213> Homo sapiens

<400> 1287

```

aaaaacacaa aacactagaa cagttgctat gaaattactg ataatgatcc ctttaataaa 60
ctgcaattaa ccactaatat agaaattcaa ttttaagcaag aagttttata tattatactt 120
tacagaaaaa aataattttg aaaaagtaat gmcaaacaga gatcaaacat ttagggcatt 180
agttactgca ttctcttttt agaataataca ttaagtaaca ctagtaaaat tt 232

```

<210> 1288

<211> 90

<212> DNA

<213> Homo sapiens

<400> 1288

```

aaacttagtg actattttagt tcaattgytc atccattttt tatttgcttt tataattgcc 60
tccttgtttt ggtatattgt aaaataattt 90

```

<210> 1289

<211> 670

<212> DNA

<213> Homo sapiens

<400> 1289

```

aaatcacaaa gtaaggcacc attggattaa acattttctcc tggctttttac taagtaaaat 60
gcatagttaa ataaatactg aacactgagt ttttaatactg taatacattt caatataaaa 120
taagagggtga atgttataaat actgtattac atgttgaaata cttttatctg aaaatgttat 180
aaaaaaacac acatgtaagc tctgatttca gggaagaaaa attcattttt gtaatttttc 240
atagttttaag attttaccac agaacttatt catagtttta gatgcaatta ggttgcaaac 300
tttcaaagaa aggggtgtagg tgtattaatg aaacagtcac ttaaactacta catttctaaaa 360
caatctattc tggatgaatg gcaactttga gctatcaccc tgtttcagat ttagaacggg 420
acctgccaag ttcagatagc caaaggaatt gtccaattct tactaccctt tataaaattc 480
agactcactt tctctgagtc agacttttct ccgtcatatt ttctaggaag ggcaaattcc 540
atcttttgtg aaatgggtca ttaggcctta tcatagggat gtttttcaact gttgaaatca 600
gataaaagaa tcccaaataa atgatgctgc taaattacca aactgctaga gattaataaaa 660
attttttttt 670

```

<210> 1290

<211> 352

<212> DNA

<213> Homo sapiens

<400> 1290

```

aaacaatgct acaccattt ttggcaaagt gctgtattgt tcagtctgtg tacaaaactg 60
accatctatg aaccaatcag tataaaaaat ttctataaaa acaaaattta gacagtggct 120
caagaaaaca agctgccatt tatgcataga ttgatgtaca gtaacctaac caaatgtccc 180
ttttgaattt tcaagttact gaaaaaaaat gtgtcgagaa acacattaag aaggcacatg 240
tacagtctac aatactcttc agtctcccta actcatgccc tgcccctata aaggaaatat 300
gttcacaatt ttacttgaga aaaaaaaaca aagccactta aaaaaaaaaa aa 352

```

<210> 1291

<211> 99

<212> DNA

<213> Homo sapiens

<400> 1291

```

aaaaattatt taaggtaatg gtgttacgaa tggtttaaaa atgtctggtg acttgcttat 60
ttttaagtga tcaccattaa gtcagaaaaa tgtatTTTT 99

```

<210> 1292

<211> 295

<212> DNA

<213> Homo sapiens

<400> 1292

```

aaatatacct ttatttctca aactcaaagc tttatcaagt tctaacacat tttgcattga 60
caagtgattt tatctgcatc aagtaagggt agtgaccacc acgaaagagg aatccccaga 120
cctcctaggc actaagaaat atttcaaagg ctatgcaaata atagaacaaa aagcttttcaa 180
tttagtctaa ttggtatcta tttttcatct atattaattt ggaaataagt tgctacctta 240
gaaaaattac atttttatcc attaaaataa aacaccagat aggttgagtt ttttt 295

```

<210> 1293

<211> 256

<212> DNA

<213> Homo sapiens

<400> 1293

```

agattcactt caaagtgaaa atgacaacac atctcaagaa actcaaagaa tcatactgtc 60
aaagacaggg tgttccaatg aattcactca ggtttctctt tgagggtcag agaattgctg 120
ataatcatac tccaaaggaa ctgggaatgg aggaagaaga tgtgattgaa gtttatcagg 180
aacaaacggg gggtcattca acagttaga tgttcttttt attttttttc ttttccctca 240
atcctttttt attttt 256

```

<210> 1294

<211> 90

<212> DNA

<213> Homo sapiens

<400> 1294

```

aaaatactta gctttattaa agacatggta ctaaaaataa cagattccaa catttgctct 60
atttctactt atatatcata aataagacag 90

```

<210> 1295

<211> 519

<212> DNA

<213> Homo sapiens

<400> 1295

```

ctgtcgcttt atcagtgcta tatttatctg gaatatagag gctcctttta ctgtttttta 60
ggtgctttgt gctaaggatg aagatacaat tcctcagctc ttggtagact tttgggaagc 120
tcagctagtg gcatgtctcc cagatgtggt acttcaggaa ctcttttttca aactcacatc 180
acagtacatc tggagattgt ctaagaggca gcctcctgac accacaccat tgcgaacatc 240
ggaggatctt attctcctgg tcattccttg gtagatatatt ggaataaaat aatcacactg 300
actgtgattg ggtagatcac attccatatt ctctgtgag tctcagaaga tgcttcattt 360
tgtagaacgg tgtaagtggg ttccattcca gcatgaatgt ggtcgggtcac atggcagtg 420
agtaacaaa ttccagggtg tcttggaaac atttctaggg tttgggtatg tccagggaaa 480
atgtcaaaga catcagaact ataaactccc ctgtgcttg 519

```

<210> 1296

<211> 419

aaagtccatc	tttgcaatt	atacgttgct	ataaatacat	tgtgtatttg	gcattatgtg	60
aatttgttta	atccagtgtc	aattgtctaa	tggctctaaag	tgtccattg	aagttataat	120
ctggatgaac	tgaacaataa	gagaagtttt	cttcattagc	ccaattgttt	atcactcaat	180
tctactcct	gcccatggtt	tcttcacct	tcctctggag	aacataaaga	gattctagat	240

```

ctctgtataa ggtggtttgc tttagcttga aatcatcagt gaggattata catgggcaat 300
gtccagaaat cacattattg ctcatagacc gtgtagtctt gatctaacgg ataactgtac 360
attgtcttca ctaagaagct aggggtggttg tccttgatat tgggacattg tagacttgg 419

```

<210> 1300

<211> 182

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 3, 5

<223> n = A,T,C or G

<400> 1300

```

ccntngaatt gtgtgcatag ggaagcactc acccaatgag acttttctcca atgtggactc 60
tgtgtgtcag ggaatgaatg tagaaaaatt cactttggag ggttatcac tcaactagta 120
agaagcatta atattattaa agtgaagaaa ctgcagagaa aattacagaa caaaactgta 180
gg                                                    182

```

<210> 1301

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1301

```

aaagttttta tctctgctga ggcttcacat ctgtttgctc aattttatatt ttatttcaat 60
ccttgagcat gtttataata tagtagtacc cccttattgt ggctttactt tcctcacttt 120
cagtcaccca cagtcaaaaa atatgaaata taaaactcca gaagtaaaca gtttataaat 180
tttaagtcac actttgttct gaggaatgtg atgcaacctc ccgccattct gctgtatcca 240
gttcaggatg tgacataccc ctttgctcag cagatacaca attcctgctt cctgctcatt 300
agacatttgc ag                                                    312

```

<210> 1302

<211> 109

<212> DNA

<213> Homo sapiens

<400> 1302

```

attccttagat tatatgtgtc catccttgca gctttctgag agtaatttta tttgttgtct 60
tctgaaatgt acatgtatac atgtacctac tgagtgtctat gtgattttt 109

```

<210> 1303

<211> 330

<212> DNA

<213> Homo sapiens

<400> 1303

```

ccagagttac ttggatcagc atttaggaaa gtaaaatata gtggaagtaa aactgactca 60
tccaactaga cattctacag aaagaaaaat gcattattga cgaactggct acagtaccat 120
gcctctcagc cagcccggtg gtataatatg aagaccaaat gatagaactg tactgttttc 180
tgggccagtg agccagaaat tgattaaggc tttcttttgt aggtaaatct agagtttata 240
cagtgtacat gtacatagta aagtattttt gattaacaat gtatttttaat aacatatcta 300
aagtcacat gaactggctt gtacattttt 330

```

<210> 1304
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 1304
 ccactgtagt ctgcatatcc ctgtccatat ccatagttcc catagttata ccaggtataa 60
 tcatatccgc catagccact atagttttga tcaccacccat aggcactatt gtaatttcca 120
 tacccttgat cataatagtt attaaatcct tgggtccagt tttggccctg 170

<210> 1305
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 1305
 aaaaataaat atttatactc cagcttttgt gtattttggtg tacatcacca cttatgcaaa 60
 tcaaggatca gaaaactgga ggtagccat ctccattatt tccttttgca cattgggtac 120
 agtgggtggc attagtatgc actagctgca aagtcacagc accttatgga aataagtatg 180
 tttattataa taaaaaaaaaag ttaagctgca tctctgtaga ttatttactt tgcagactgt 240
 aaagctgccc tatcttttcc agcagaattt actcttccat tcttaattct tttttgaaat 300
 atcttaaata atttaacatt cctttataac ttcttaacag tgtcaaaact ggggtagaag 360
 ggattttatt ttttcccaaa agggttccat ctttgctatc tgttgatcag ccttagaaaa 420
 tctaagtatg atcaataaat tttaatggtt gatggcatcc tgtgtcag 468

<210> 1306
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 1306
 tggtaaagaa ctacctgtta atgcacaaaa ctatgtgcga tttattgaag atgagcttca 60
 aattccagtt aagtggttg gtgttggtta atccagagaa tctatgattc aactctttta 120
 atgattgccg gtaatgcaag aaacactcct tgagagggag gggaaaagac tttcttaaat 180
 atttcattta tgacctgcaa attcaagaat aaagacactg aagtaagttt gaagccctac 240
 agytgtttcc agtcttttca gatggatgcc tactgtggag attaactttg gcatattcca 300
 gtgtcagctt tctttagctg gaattg 326

<210> 1307
 <211> 614
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 294, 442, 458, 465, 580, 592, 609
 <223> n = A,T,C or G

<400> 1307
 aaaaattatt actgtaagaa atagttttat aaaaaattat attttttattc agtaatttaa 60
 ttttgtaaat gccaaatgaa aaacgttttt tgctgctatg gtcttagcct gtagacatgc 120
 tgctagtatc agaggggcag tagagcttgg acagaaaagaa aagaaacttg gtgttaggta 180
 attgactatg cactagtact tcagactttt taattttata tatatatata ttttttttcc 240

```

ttctgcaata catttgaaaa cttgtttggg agactctgca ttttttattg cggntttttt 300
gttattgttg gttttatacaa gcatgcgttg cacttctttt ttgggagatg cgygtytgyt 360
gatgttctat gttttgtttt gagtgtaggc tgactgtttt ataatttggg gagttctgca 420
tttgatccgc atcccctgtg gnttctaaag gggatgggcc tcagnaactg ttgcatggat 480
cctgtgtttg caactgggga ggacagaaac tgggggtgat agccagtcct gccttaagaa 540
catttgatgc aaagaatggg accctgcccc ggggccgggn cccctccgaa anggggggga 600
aaatcccang cacc 614

```

<210> 1308

<211> 304

<212> DNA

<213> Homo sapiens

<400> 1308

```

ctgtcttttg gaggacgtac gtaataaggt tttaatttag taaaccaatc ctatgcatag 60
tttcagcact agccaaacct caccaactcc tagttctaga aaaacaggca cttggcagcc 120
ttgtgatgtc atacagagaa gtcacaggca gtacctgagg gtctgtaggt tgcacacttt 180
ggtaccagat aacttttttt ttctttataa gaaagcctga gtactccaca ctgcacaata 240
actcctccca ggggttttaac tttgttttat tttcaaaacc aggtccaatg agcttttctga 300
gcag 304

```

<210> 1309

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1309

```

gggattttcca attaacagta ttaccagata aatattcttg gtccaagcag aaaatatcaa 60
caaaaagagc cttcttctcc tgtaaactct aaatgcctac atcactcttt atgatacatg 120
gatcatctta tgtggatact taaatttttc atgtctgctt cttttgcctc tcccaactat 180
actatgagga aattcgggaa aaagacattt ttgtaatat tcttatctcc ttcacaccta 240
gtatagagct gattttacaa aggcatttaa gagatatatt aattgattt 289

```

<210> 1310

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 480, 490

<223> n = A,T,C or G

<400> 1310

```

tgctttgcat tttctgatgt attacatgac tgtttctttt gtaaagagaa tcaactaggt 60
atttaagact gataatttta caatttatat gcttcacata gcatgtcaac ttttgactaa 120
gaattttggt ttactttttt aacatgtggt aaacagagaa aggggccatg aaggaaagt 180
tatgagttgc atttgtaaaa atgagacttt ttcagtggaa ctctaaacct tgtgatgact 240
actaacaagt gtaaaattat gagtgattaa gaaaacattg ctttgtggtt atcacttta 300
gytttgacac ctagattata gtcttagtaa tagcatccac tggaaaagggt gaaaatgttt 360
tattcagcat ttaacttaca tttgtacttt agagtatttt tgtataaaat ccatagattt 420
attttacatt tagagtattt acactattga taaagtttgt aaataatttt ctaagacagn 480
ttttatatan gctacagggt gccctgattt tcttattgaa tttggttaga ctag 534

```

<210> 1311
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 1311
 aaaatttgta ggagttgtag actacctaaa tttttaagtt atggyatttg gtcataagggt 60
 gactgggtag gttaaagaagg aaacagacaa gaaaatggct tcttgagggtg gcag 114

<210> 1312
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 1312
 gggcgggtaa aggtaggccg cgagagcgag gttaggagag gataggaggc cgcagtactg 60
 ctcacacgct ccgctcttct cccactctcg actct 95

<210> 1313
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 1313
 aaatgataca gtatttttagg tatgatttaa gactatgatt tacctataca ttatatatat 60
 tttataaaga tactaaacca gcatacccctt actctgccag agtagtgaag ctaattaaac 120
 acgtttggtt tctgaataaa ttgaactaaa tccaaactat ttcctaaaat cacaggacat 180
 taaggaccaaa tagcatctgt gccagagatg tactgttatt agctgggaag accaattcta 240
 acagcaaata acagtctgag actcctcata cctcagtggg tagaagcatg tctctcttga 300
 gctacagtag aggggaaggg attgttgtgt agtcaagtca ccatgctgaa tgtacactga 360
 ttcttttatg atgactgctt aactccccac tgctgtgcc agagaggctt tccaatgtag 420
 ctcaagtaatt cctgttactt tacagacagg aaagttccag aaactttaag aacaaactct 480
 gaaagaccta tgagcaaata ggctgaatac tttttttt 519

<210> 1314
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 247, 270, 329, 357, 419, 440, 498
 <223> n = A,T,C or G

<400> 1314
 ccatggtggg tgaagacgct gatctgcctt gtcacctggg gttttttatg agtgcagaga 60
 ccaggagact gaggaaccc gagytccagc ctaaggcagg tggatgaacgt gtatgcagat 120
 ggaaaggaag tggaagacag gcagagtga ccgatcagag ggagaacttc gattctgcgg 180
 gatggcatca ctgcaggga ggctgctctc cgaatacaca acgtcacagc ctctgacagt 240
 ggaaagnact tgtgttattt ccaagatggn gacttctacg aaaaagccct ggtggagctg 300
 aaggttgtag gtgagcctcc aggttttgn ctgagaacac ttctctgtag gatctanagc 360
 agatgcagag tccctcttcc aaaagtactg cagacactcc tggctgtca ctagcaatng 420
 tctgcactgc ctcccaactn agcttctctg caacccttaa gaaagacaca ttctttcttt 480
 agaaagaatt cctgctgnac cttacatgcc gaagtaaa 518

<210> 1315
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 1315
 tctgtgcatc caatttatta tagwtttgta agtaacaata tgtaatcaaa cttctagggtg 60
 acttgagagt ggaacctcct atatcattat ttagcaccgt ttgtgacagt aaccatttca 120
 gtgtattgtt tattatacca cttatatcaa cttatttttc accagkataa watcttratt 180
 tytacgacct atcattctga atcaagmaca ctgtatgttc agtaggttga actatgaaca 240
 ctgtcatcaa tgttcagttc aaaagcctga aagtttagat ctagaagctg gtaaaaatga 300
 caatatcaat cacattaggg gaaccattgt tgtcttcact taatccattt agcactattt 360

<210> 1316
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 1316
 aaaaaacacg tttgttatta ccaaawagag acggccttag gtaaaaataa taaaaaccct 60
 ttgcttgyat tacytatgca ratagtsta tttatctggw cwacgggyta aaggyacagy 120
 actataggwc tctggcttga gtmittacgt tcatttctta ttgctggaat ktcataattt 180
 ttcttgttgg atgactaaac cggatgatgg tagagatggg aagccggcat ttactcagcc 240
 ccgccctgct cagcctcggg agcggacgaa ttctcag 277

<210> 1317
 <211> 716
 <212> DNA
 <213> Homo sapiens

<400> 1317
 aaaatgttct cttgagacta gtaggcatag aagaaagcag aaggaaaata aatagaaaga 60
 aggtcttcta ccttcatggc tattcaggct caggagggtg gagagaaaaa gaaggaggac 120
 aaatgaacaa gacagatgag ggagacatcc tctctgatat aagatacagt cctctctggt 180
 ggatggagtc caatttgtgt aacttctat gtattttcct agataggacc accactattt 240
 gagaaaatat ctactggta acctaaagcc aaggataata aaccttgata tacttaacat 300
 tcaatttctt tccagcaatg tgataaataa atctatcttg tgtttctctt gcagattgta 360
 aaagcattag aacatttaca tagtaagctg tctgtcattc acagaggtaa gcatccatga 420
 gctgccttgg ctgttccttt gataaagttc atctctttca cctggagtcc gtctctaccc 480
 ccagtcctcc atgggtggaa gtagaattga ctcaggcaag agaactaagg ggctttcctt 540
 tgagattgga tagcaaacca tataagtagt attccttatc atggctgagg acataagaag 600
 aagacgtgat ctttgtctta catccaaatt gaatataaac acttggtagc aagcagagct 660
 atgagatcat atcattgaga attttagaga atatgataaa aattgatctt gtctgg 716

<210> 1318
 <211> 515
 <212> DNA
 <213> Homo sapiens

<400> 1318
 aaagctgtat catgttgagt aaacctgacc tgagccagcg gtttaaggcg attttgctcg 60
 atgaagggtca agacgtgaac ccggctcattg ccgacttggt aaggatacag cgcactctgca 120

```

aagtaaccgt cggcgaccct caccagcaga tttaccgttt ccgtgggtgcc gaagacgctc 180
tcaacagcga ttggatggcc gatgcagagc gtcactacct gaccagagc tttcgcttcg 240
gtccagcagt cgcgcatgtg gctaacatca tactttttta caagggtgaa actcgaaagc 300
tgcaagggtt aggcccaaaa acccagggtta aacgtgcgct tcctgaagac ctaccgcac 360
gcacatacat ccatcgcacg gttaccggcg tcatagagaa cgcgcttagc ttggtagcga 420
gcaatccaaa gatctattgg gtaggtggca tgcacagtta ttcattgcgc gacctggaag 480
acttgtatct gttcagccgc aacaaaaacc aagcc 515

```

<210> 1319

<211> 141

<212> DNA

<213> Homo sapiens

<400> 1319

```

aaatttagtg tctcatttgg aaataaactc tgggcctatt agttgttgag tatttttttt 60
ttttactacc taaaaaaaga tttgttaaga gctgaattac aacttagcat tacataatat 120
aaaacactgt aatgtgtatt t 141

```

<210> 1320

<211> 497

<212> DNA

<213> Homo sapiens

<400> 1320

```

aaattcagtc ctaagaaaga ggagtgcctg tcccctaagg gtgtttaatg gcaaggcagc 60
cctgtctgaa ggacacttcc tgcctaaggg agagtggat ttgcagacta gaattctagt 120
gctgctgaag atgaatcaat gggaaatact actcctgtaa ttcctacctc cctgcaacca 180
actacaacca agctctctgc atctactccc aagtatgggg ttcaagagag taatgggttt 240
catatttctt atcaccacag taagttccta ctaggcaaaa tgagagggca gtgtttcctt 300
tttggtactt attactgcta agtatttccc agcacatgaa accttatttt ttcccaaagc 360
cagaaccaga tgagtaaagg agtaagaacc ttgcctgaac atccttcctt cccacccatc 420
gctgtgtgtt agttcccaac atcgaatgtg tacaacttaa gtgtgtcctt tacactcagg 480
ctttcactat ttccttt 497

```

<210> 1321

<211> 344

<212> DNA

<213> Homo sapiens

<400> 1321

```

ctgtccaatg acaacaggac cctcactcta ctcagtgtca caaggaatga ttaggagccc 60
tatgagtgtg gaatccagaa cgaattaagt gttgaccaca gcgaccagc catcctgaat 120
gtcctctatg gccagacga cccaccatt tccccctcat acacctatta ccgtccaggg 180
gtgaacctca gcctctcctg ccatgcagcc tctaaccac ctgcacagta ttcttggtg 240
attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag 300
aacagcggac tctatacctg ccaggccaat aactcagcca gtgg 344

```

<210> 1322

<211> 110

<212> DNA

<213> Homo sapiens

<400> 1322

```

ccaccacata gccagccagg aatcccttga ggaacgggga ggacaacagc gagccaccct 60

```

ggcccaactcc actgttgact tcgtcttcta cacgcgcgtg caggctttcc

110

<210> 1323

<211> 359

<212> DNA

<213> Homo sapiens

<400> 1323

ccacgctgct	ggcctgggct	ggcgtctcct	gctgtgagct	ggctgaggag	gacttcctgg	60
cggctctccc	cttagatccg	cgctatcgctg	aggtccacta	tgtcctgctg	gaccccttct	120
gcagtggctc	gggtgagatg	gtgagaaggc	gtggctgagg	gactcagagg	tccacagcag	180
cttagacctg	gagtcactctg	tttttggtctt	agttctgaca	ctttaatggg	cttgggaccc	240
tggagcaaaa	gttctcctct	gtgaagcgag	gatttcagga	gcgaggattt	caggactgag	300
gcagcctgtg	aagctgtgta	accgagacac	gcttttcctt	aggtatgccg	agcagacag	359

<210> 1324

<211> 258

<212> DNA

<213> Homo sapiens

<400> 1324

caatcacaca	accacaaaaa	agatactgtg	tgctctcact	ttccaaaatt	ctgcctgggtc	60
tmctcctgag	gaaagyagtg	atatggtagc	tggtgtggat	cccctaaagg	aattataaga	120
tggartgyga	rgaacattat	cttagactat	aakactgkct	gcatrccgat	atgktstcra	180
agattattcc	tgctgcraat	aaagakmttg	skaaagagca	rtatasagct	atcacagtct	240
attgacccam	asatgttt					258

<210> 1325

<211> 534

<212> DNA

<213> Homo sapiens

<400> 1325

ctgtccaatg	gcaacaggac	cctcactcta	ttcaatgtca	caagaaatga	cacagcaagc	60
tacaaatgtg	aaaccagaa	cccagttagt	gccaggcgca	gtgattcagt	catcctgaat	120
gtcctctatg	gcccggatgc	ccccaccatt	tcccctctaa	acacatctta	cagatcaggg	180
gaaaatctga	acctctcctg	ccacgcagcc	tctaaccac	ctgcacagta	ctcttggttt	240
gtcaatggga	ctttccagca	atccacccaa	gagctcttta	tcccaacat	cactgtgaat	300
aatagtggat	cctatacgtg	ccaagcccat	aactcagaca	ctggcctcaa	taggaccaca	360
gtcacgacga	tcacagtcta	tgacagagcca	cccaaaccct	tcataccag	caacaactcc	420
aaccccgtag	aggatgagga	tgctgtagcc	ttaacctgtg	aacctgagat	tcagaacaca	480
acctacctgt	ggtgggtaaa	taatcagagc	ctcccgggtca	gtcccaggct	gcag	534

<210> 1326

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1326

ctgcattatg	tgtgttttaga	acgagaagtt	gtttgtacag	tatttttcta	ttgaccgctt	60
ccgtcttgcc	tgaaacctgg	gcattctttc	caatagacag	aaaatcagag	agtcaaactc	120
gatgcgcaat	gagttgttct	gagaccagta	atccacggtg	ctgcaatttg	ggttttt	177

<210> 1327

<211> 266
 <212> DNA
 <213> Homo sapiens

<400> 1327
 aaacttgttt tatctaatac tgagcactgt ttttttgtca agtatttttt taagaccaca 60
 taattctttt tgtctgctca aggaaaggat agataaataa ttggcacaca tttgtttctc 120
 actgaatttt acagtagtaa attaatgtta taatgtacca catggagatg agttggtaag 180
 aaatcatcta gttccagagc ccagggatta taaacagtag gtgaaataga tttatgactt 240
 acgaaatatg ttgtgacaat atattt 266

<210> 1328
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 1328
 ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
 tatgtatgtg gaatccagaa ctcagtgagt gcaaaccgca gtgaccaggt caccctggat 120
 gtcctctatg ggccggacac ccccatcatt tcccccccag actcgtctta cctttcggga 180
 gcgaacctca acctctcctg ccaactcggcc tctaaccat ccccgagta ttcttgccgt 240
 atcaatggga taccgcagca acacacacaa gttctcttta tcgccaaaat cagccaaaat 300
 aataacggga cctatgcctg ttttgtctct aacttggtta ctggccgcaa taatcccata 360
 gtcaagagca tcacagtctc tgcactctga acttctcctg gtctctcag 409

<210> 1329
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 1329
 ccattttcgc acagtccacc ataaaattga aaagattgac cagagacaga tcatggaggg 60
 cttggcaatc tgtactgatg aagccatgga ccagaagaga agtgagtcaa tgaagagagt 120
 ttctcttttc acatgg 136

<210> 1330
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 1330
 ctgctaacag ccctaacggt gcaacacaag tacaaactca ggaacctctt cgactgccac 60
 gcccttcacc aacagaagga agacagtggc gccaccacaa gtggcagggc acaggggctt 120
 ctgtgacaac aatatgtcct tctagtatac attcattgca aaggctgccc tgaagtctcg 180
 tttttggaaa taactgttat catacatttt gtatgatgtt gcttggtggc accatgaaga 240
 gagcctggct gtaaaggaca gagggagcta aaccaacaat gcatggccct gcgtgccac 300
 aagagggagc c 311

<210> 1331
 <211> 613
 <212> DNA
 <213> Homo sapiens

<400> 1331

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ctggggccakg agctgtgccc ggtgcctgca gccttcataa gcacacacgt ccattcccta 60
ctaaggccca gacctcctgg tatctgcccc gggtccctc atcccacctc catccggagt 120
tgcccaagat gcatgtccag cataggcagg attgctcggg ggtgagaagg ttaggtccgg 180
ctcagactga ataagaagag ataaaatttg ccttaaaaact tacctggcag tggctttgct 240
gcacggtctg aaaccacctg tccccacct cttgaccgaa atttccttgt gacacagaga 300
agggcaaagg tctgagccca gagttgacgg agggagtatt tcagggttca cttcaggggc 360
tcccaaagcg acaagatcgt tagggagaga ggcccagggt ggggactggg aatttaagga 420
gagctgggaa cggatccctt aggttcagga agcttctgtg caagctgcga ggatggcttg 480
ggccgaaggg ttgctctgcc cgccgcgcta gctgtgagct gagcaaagcc ctgggctcac 540
agcaccctaa aagcctgtgg cttcagtcct gcgtctgcac cacacaatca aaaggatcgt 600
tttgttttgt ttt 613

```

<210> 1332

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10

<223> n = A,T,C or G

<400> 1332

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ctgagtaaan atggtaaagc caatattatt ttaggaggaa agaggacgaa ggccaatgaa 60
ccaacatctg cctgctatct ggtgcatcac ccaagggtgac caatggctgg gcacaaataa 120
acttctcttt tgctagccac agagttgctc actgtggcaa gcctgagctg gtcagaacac 180
ctgtgtgtgt gttcctgata cacactaacc acaataagca agtctgcaca catctctatg 240
agccccatgc aaagacaaga cattcccaaa gatcagtcac tagagtgcga caacgaaatt 300
caagatttga ccaaaacaga ccctgctgcc tcctaaattg ccaattgcct ctcaaaaact 360
tacagaaaaa gggacattat aagaattcat agagggagag aagaaaaagc tgctactcct 420
agtcattagt acaatgtgct gtgttaatta gatacctcta tataaattag aaaaagtgtc 480
ttacttgcat gcttcaataa aatgaatact gagtgtcgta gtgttagatc tgtacagata 540
taaatttttt gcagctatat aaaagtgtat aagatgggct tttgcatttt a 591

```

<210> 1333

<211> 379

<212> DNA

<213> Homo sapiens

<400> 1333

```

ctggtacaaa ggcgaaagag tggatggcaa cagtctaatt gtaggatatg taataggaac 60
tcaacaagct accccagggc ccgcatgcag tggtcgagag acaatatacc ccaatgcac 120
cctgctgatc cagaacgtca cccagaatga cacaggattc tataccctac aagtcataaa 180
gtcagatcct gtgaatgaag aagcaaccgg acagttccat gtatacccg gactgcccac 240
gccctccatc tccagcaaca actccaaccc cgtggaggac aaggatgctg tggccttcac 300
ctgtgaacct gaggtcaga acacaacct cctgtggtgg gtaaattggc agagcctccc 360
agtcagtccc aggtgcag 379

```

<210> 1334

<211> 384

<212> DNA

<213> Homo sapiens

<400> 1334

```

aaaccatttg tacaaaactt ctataaattt ttctctctct ttctctctta tgtacaaaaa 60
tatcttaata tatccccgaa ctgggttagga tagatacaaa tagatttttt ataataaaaa 120
attcacaaaa gattggaagc attctataat gaaaatggta gaaaagacag tgtgagggaa 180
gccatggggg ttgggaatcg ggccctggag gagaagcaga gtttcaaagg gctgagaata 240
gcatagtttc actgtaaacc aatgtctaca gcttattggg gtgggggcta ctgagacgaa 300
agacaccaac tcgtttctag agggctaaga actgcacttt aagaaagggc ggggaggtga 360
agggaccgga gcaagaactt tcag                                     384

```

<210> 1335

<211> 555

<212> DNA

<213> Homo sapiens

<400> 1335

```

aaattagttg ctataaattc atcaataactt tttttcccta ttatatTTTT ggttctatta 60
ggattttactt aactgaatct tataacaatt cgagggtgaac tgtggcaatg aaaaccagaa 120
acagttaattg agatgcttca gctcacagtt tgaagtgctg agaacctag tattttgctg 180
tacggtactg agctgtacca aaatatgatg gtttagggtt atgtgcaaga ctttgtgttg 240
tagtctagac aaaggggttg gcaagagaca tgcaaagctg aagccctgct tgaaaagacc 300
cttcaaggaa gtaaaatggc aggggcagag tgcaagctta catgttgcta tccctgttgt 360
ttttgagttg gttttggaat ggattcaagt tcttacacaa tttattttga atacaagcat 420
aatctaggtg atttgagtta atgaacttct tttcatgatg tagggaaagc tgaatgtata 480
tattttctaag aagaatttgt ttagcagatt acaagttggc aaaatagact gttcacagaa 540
actaggcaaa aattt                                     555

```

<210> 1336

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1336

```

cctggaaaga agcccagcaa aaggttccag atgaagaaga aaatgaagag agtgacaacg 60
aaaaggaaac tgaaaagagt gactccgtaa cagattctgg accaaccttc aactatcttc 120
ttgatatgcc cctttggtat ttaaccaagg aaaagaaaga tgaactctgc aggctaagaa 180
atgaaaaaga acaagagctg gacacattaa aaagaaaagag tccatcagat ttgtggaaag 240
aagacttggc tacattttatt gaagaattgg aggctgttga agccaaggaa aaacaagatg 300
aacaagtcgg acttccctgg aaagggggga aggccaagg gaaaaaaca caaatggctg 360
aagttttgcc ttctccgcgt ggtcaaagag tcattccacg aataaccata gaaatgaaag 420
cagaggcaga aargaaaaat aaaaagaaaa ttaagaatga aaatactgaa ggaagccctc 480
aagaagatgg tgtggaacta gaagg                                     505

```

<210> 1337

<211> 385

<212> DNA

<213> Homo sapiens

<400> 1337

```

ctgggtgctag tcagagctaa tgacagaatt tcagtttaat aaaaagaccc ccaactgagc 60
acaccatctt gaaaaaagta tacttatcaa acagctttca atcagttcaa gagagacacc 120
ttaattgggg agaggaagaa ttgcagagta gtttgtaatc atgccaattc cagatcaata 180
actgcatgtc tgttcttttg tagaaatagc ttttgcttta tattaagtaa tcacatatat 240
attctctcta tttggataag gaaaccttcg ctttatttga caatgtataa tgatatactc 300
ttctaattca cctctgtgtc ttcacaataa acatgagtaa aatttagaca agtgatggta 360
aaggtcaata taattattta tttt                                     385

```

<210> 1338
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 1338
 aaaggtgata ttacacaaaa cctcgtcttt tgttcaactt tggatccatt ggcaattcaa 60
 tggcctcaat ctcccaaac tcgccaagt actccctgat cttttcctca gtggcttcag 120
 gattcagacc cccaacgaag attttcttca ccgggtcctt cttcatagcc atggcctttt 180
 tagggtcaat gacacggcca tccagcctgt gtccttctg gtctaggacc ttctccacac 240
 tggctgcatc tttgaacagg ataaacccaa accctcttga ccgtccagtg ttgggatcca 300
 tttttattgt acagtcaacg acctctccaa atttagtaaa atagtctttt 350

<210> 1339
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 1339
 ctgctcctct agtaataagt tcctggggat aatacattaa ccaacattgg ttgaaacata 60
 cctgagtaat catatcagga tgcatgttaa gctgataaaa caataagatc ccaaaatgca 120
 gtagctcaaa aaaagtagaa gttaatttat ctctggggg acagctctgg ttctcaaatt 180
 ttacaggctc agaatcacct gcagggcttg tgaaagtaca gattgctgctg ctccgcccc 240
 agagtttctg atttagtagg tgtaggctg aaccaagaat ttgcctttct aacaagctcc 300
 caagtgatgc tgatgacttg taggaatgga tttacttcta ggattagact tcagctcact 360
 ctgtttgctg aactctttct aatatttctt aagttggtag actcyctgct ccagggttctc 420
 aacgtgaagg aaggaacccc cag 443

<210> 1340
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 1340
 cctcaggaac aggtaggggc agcagaatag aatagcatcc atttcccaga gaaagactgc 60
 ctttacatkt cccatgcttt tagcacaaag cagcgtctgg gccactgtta ccagaggtga 120
 gtttatacat ttacaaaatg cttaaaatct ttgggaagca agaggaagct aaacagaagg 180
 tcccatgtta actgaaggca aattcactca acctctctag taagggaccc atgggcctac 240
 agagtgttcc ctctacaatg tgcaagtgg aaa 273

<210> 1341
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 1341
 ccatgggccc ggtcacgaac aaaacgggcc tggacgcctc gccctggcc gcagatacct 60
 cctactacca ggggtgttac tcccggccca ttatgaactc ctcttaagaa gacgacggct 120
 tcaggcccg gtaactctgg caccgccgat cgaggacaag tgagagagca agtgggggtc 180
 gagactttgg ggagacggtg ttgcagagac gcaagggaga agaaatccat aacaccccca 240
 cccaacacc gccaaagacag cagtcttcyt caccgcgtgc agccgttccg tcccaaacag 300
 agggccacac agatacccca cgttctatat aaggaggaaa acgggaaaga atataaagtt 360
 aaaaaaagc ctccggtttc cactactgtg tagactcctg cttcttcaag cacctgcaga 420

```

ttctgatttt tttgttggtt ttgttctcct ccattgctgt tgttgcaggg aagtcttact 480
taaaaaaaaa aaaaaatttt gtgagtgact cgggtgtaaaa ccatgtagtt ttaacagAAC 540
cagagggttg tactattggt t 561

```

<210> 1342

<211> 159

<212> DNA

<213> Homo sapiens

<400> 1342

```

aaagatggca aggcaataaa tgtgttcgta agtgccaacc gactaattca tcaaaccaac 60
ttaatacttc agaccttcaa aactgtggcc tgaaaagtgt atatgttaag agatgtactt 120
ctcagtggca gtattgaact gcctttatct gtaaatTTT 159

```

<210> 1343

<211> 76

<212> DNA

<213> Homo sapiens

<400> 1343

```

aaaatgtaaa gccaatctat caccaaaaat ggcataaatg taaacacaag ctaattttat 60
aatccactgc tatttt 76

```

<210> 1344

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1344

```

caaaagcagc ctgaatacgc aactcacgcc aagagggcag cagctctcct gacatccatg 60
taagaaggct aacacctaAA ccacacgcag gcatcctgaa ctcagcagct ctgatccaag 120
gtactgagtg gagacaaagc actcggaggt ggcaagatgt tcagcaacca agtaagacac 180
actggcaagg catcccacc aaagggtgaga agcacaaagc aggcttggag aaacaaacag 240
tcatgccagg tgcagccaga catcctgcta taagccctga ccctagtacc ccgagttcat 300
caagtgtctt ggTTTTgtgt ccataaagca cagagggcac tgaccacccc aaaccagaat 360
cccaagggaat ccttatggat ggcatagggc ctcagaactg ctgcaggatc attttccttt 420
tcaggctcgtg gctgaacttg ttcatcctga agagctcact gtcataaaat gcagagaggt 480
tgtggatgtt gatctgacga gccttatcca ccaagtcctt mtcagggacc tcaatagtgt 540
cctgctgggc cccaaagcgg ttgcgctgat atgtcacstg ctctgccact aactgcttca 600
gtatgaagag caacagctca ttgttgtcac gccggaatga aaggtagcgg gcaaaagtct 660
tgcgcatgct gcgcatgacg ctgaacttct gtgtgtctat gaagstctcc akmatcayga 720
gratgg 726

```

<210> 1345

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1345

```

ccagagagcc ctgtcctgtg aggggtggtta tcacagtggc agggttcaat tcagaagacc 60
ttgagggcag gctgatgttt cctgaatggg cccctgggtg ttgcttgtcc ctgactctcc 120
atttcccat ctgagtggat ttggacctaa tagggcactg gagctgggtc gaatcctgac 180
tggaactctt ggcaacttta tgtctgggag caagttactt aacctcccca agcctgtgtc 240
tgtgaaatgc gggtaaatga atgtagatgt ttggcagcag ctactccttg ttgagctctc 300

```

```

acagtgaact ctctcgctc tgcctcctt ccccgctcc cctggcgct agcgtcaggt 360
ctagccactt cctcctgggc ccctctccct tttctgtggc tggctgcctg cccgcctggc 420
gctggacctt tcatgtaacg ggaatcagca tgtatatctt ggtctggctt gtttctacac 480
ttaattttgt ttccagtagt atttccctgt accggcagag ttcacaaaca catttgaaga 540
ggctttttct caggattctt aaccttccaa aggaagtccc atggatgggt ttctagaagt 600
ctataaatgc tctgaaattg tatttttctg tggaaaagca taacttttat ctgcttggct 660
gtgctcaaaa aaagatcatg aatggaatga attgcattga attttatgcc attgggggct 720
taataactaaa aggatatgga ag 742

```

<210> 1346

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 498, 543

<223> n = A,T,C or G

<400> 1346

```

aaatgcattk ttaacttaca gtatttttcaa cttacgatgt gtttatcasg aagtaacccc 60
atcataagca gaggagcatc tgtattgcgt aatttgactg gcacagttaa ttaggttctg 120
ttcagtgwtt tccgtcaaca agatgtttat tgtgtgagta aacaagttaa gccctgtgac 180
aagctgaata agaatagtct ctctcagca gcttatagta aacaagggtgta gtaatcctta 240
cattagtggc tagactatca aacgaaatat ataacatgta agaacactaa agacagaatt 300
actgtggcat agagatagtt agaattgctt cagcctaaga gatgaattag gtaatgcaag 360
gaggtgaata tggtggcctg caatatgaac aaggcagaga gctgggagag taagatgtaa 420
gttgctaagg agggatgtgt cttgagtttg gaaaccataa agggaaatca taggtaatgc 480
tagagtcact gatcttangg agccttgaat aacggtgatg actaagggaa tctttatttt 540
gnggggacta ttggaattaa attggccaga att 573

```

<210> 1347

<211> 333

<212> DNA

<213> Homo sapiens

<400> 1347

```

cctggtttct ggtggcctct atgaatccca tgtagggtgc agaccgtact ccatccctcc 60
ctgtgagcac cacgtcaacg gctcccggcc cccatgcacg ggggagggag ataccccaaa 120
gtgtagcaag atctgtgagc ctggctacag cccgacctac aaacaggaca agcactacgg 180
atacaattcc tacagcgtct ccaatagcga gaaggacatc atggccgaga tctacaaaaa 240
cggccccgtg gagggagctt tctctgtgta ttcggacttc ctgctctaca agtcaggagt 300
gtaccaacac gtcaccggag agatgatggg tgg 333

```

<210> 1348

<211> 185

<212> DNA

<213> Homo sapiens

<400> 1348

```

aaaaaagctt gcagcaagaa aatgccagtg tgcaactggg tgactaaaga ccaaagaaaa 60
acagttaaaa gggacagctt acttgctctc tgtctcaggt ttaacttctc acctgaaatc 120
tctcatagcc ctaattaaac acaaacaaaa gtctcttcca tagataggct acttctcagc 180
ttcag 185

```

<210> 1349
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 1349
 gcggcagcga ggggctcggg gaggtgctcg gattctcgta gctgtgccgg gacttaacca 60
 ccaccatgtc gagcaaaaga acaaagacca agaccaagaa gcgcoctcag cgtgcaacat 120
 ccaatgtggt tgctatgttt gaccagtcac agattcagga gttcaaagag g 171

<210> 1350
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 1350
 ttgtcatatc atatctatgt cacctgtgta ttctgagatt acacacatac ctgccaatat 60
 acctgggaaa gggtatttta tcacagttac acttgagttc ttggcaggca ggactgagga 120
 agagtaattt gaaagaagtt ttacatccta tttagaagaa atcactagta tttccttaaa 180
 taacagggtta caatagaaag atactgcctg gaagttatcc tttcactttg gttcattttt 240
 agtttttctt tatgatttac atagctgttt aattcatttg cttatagtac aatcctgcca 300
 taaagtatta aagcacaaga tacctattat tccttcaaca tctgcatttt tcaagtttta 360
 tactctacat ccacagtacg tcagcagttc ttgaatgttt 400

<210> 1351
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1351
 ccaggaaagg gcagtcctga gggagaagac aggattcagg gcagtgtctc gaagctgtgt 60
 gctcacctgg ttggctcatc aaacctggca accctgtggc ctgtctgccg gagctgactg 120
 gatccaactca tcaattcttc gtccccacta ctaagactgg gcatgttttg ctgggtgtgg 180
 ctctgcactt caggaatggg cacaacaggg ggtagccctc aaaagcactc ctttttctat 240
 acctcttctc aaggccatgt aagttgcccc tctctacctg gctgtggaca aaaggttatc 300
 tgctcttg 309

<210> 1352
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 1352
 ccacttcatac tgtgtgggaa cgtggtcagg ccgggtgctg gtgtttgaca tcccagcaaa 60
 gggcccaac attgtactga gcgaggagct ggctgggcac cagatgcaa tcacagacat 120
 tgccaccgag cctgcccagg gacaggattg tgtggctgac atggtgacgg cagatgactc 180
 aggcttgctg tgtgtctggc ggtcagggcc agaattcaca ttattgaccc gcattccagg 240
 atttgagatt ccgtgcccct ctgtgcag 268

<210> 1353
 <211> 620
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 545
 <223> n = A,T,C or G

<400> 1353
 cctgagtaat tattccatca tagacaaact tgtgaatata gtggatgacc ttgtggagtg 60
 cgtgaaagaa aactcatcta aggatctaaa aaaatcattc aagagcccag agcccaggct 120
 ctttactcct gaagaattct ttagaatttt taatagatcc attgatgcct tcaaggactt 180
 tgtagtggca tctgaaacta gtgatttgtt ggtttcttca acattaagtc ctgagaaaaga 240
 ttccagagtc agtgtcacaa aaccatttat gttacccctt gttgcagcca gctcccttag 300
 gaatgacagc agtagcagta ataggaaggc caaaaatctc cctggagact ccagcctaca 360
 ctgggcagcc atggcattgc cagcattgtt ttctcttata attggctttg cttttggagc 420
 cttatactgg aagaagagac agccaagtct tacaagggca gttgaaaata taaaaattaa 480
 tgaagaggat aatgagataa gtatgttgca agagaaaagag agagagtttc aagaagtgtg 540
 attgnngcct gtatcaacac tgttactttc gtacattggc tgggaacagt catgttttgct 600
 ttcataaatg aagcagcttt 620

<210> 1354
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 1354
 aaaggattat ttttatgcaa agtattctgt ttcagcaagt gcaaatttta ttctaagttt 60
 cagagctcta tatttaattt aggtcaaagc ctttccaaaa agtaatctaa taaatccatt 120
 ctagaaaaat atatctaaaag tattgcttta gaatagtgtt tccactttct gctgcagtat 180
 tgctttgccca tcttctgctc tcagcaaagc tgatagtcta tgtcaattaa ataccttatg 240
 ttatgtaaag agttatttta tcctgtgggtg catgtttggg caaatatata tatagcctga 300
 taaacaactt ctattaaatc aaatatgtac cacagtgtat gtgtcttttg caagcttcca 360
 acagggatgt atcctgtatc attcattaaa catagttt 398

<210> 1355
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 1355
 ctggytcctc agtgggaact gagtcattac ctgctaaagg gtagaagagg agagagagag 60
 gccagagcct ggggatgggg cagaagggtgc agcaggaagg aaggtagag tgagaaaaat 120
 ttccaaataa ggggtgatgt gtgagtgtc agagggtgac tgaggacatc tccagcattt 180
 ccattgagga gggaggaagg aggggccctt gggttctggg gcagatgccg gcagggtctg 240
 gatgagatgc ccccaacctc aacctgtgtc ctctgaaaac acttcacca gtcacactga 300
 ggagccccctc caggcccagg ggccccctca ggtaggcgta tctcagctcc tctctggaag 360
 gacccccaca g 371

<210> 1356
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 1356
 gcggcgcggg cggcggtaaa atgtcgggtc caggacctta ccaggcggcc actgggcctt 60


```

cctcagcacc atccgcacct ccatacctatg aagagacagt ggctgttaac agttattacc 120
ccacacctcc agctcccatg cctggggccaa ctacggggct tgtgacgggg cctgatggga 180
agggcatgaa tcctccttcg tattataccc agccagcgcc catccccaat aacaatccaa 240
ttaccgtgca gacgggtctac gtgcagcacc ccatcacctt tttggaccgc cctatccaaa 300
tgtgtgtgcc ttcttgcaac aagatgatcg tgagtcag 338

```

<210> 1357

<211> 159

<212> DNA

<213> Homo sapiens

<400> 1357

```

ctgggctgct gcctctggag tacttccccg cagctcctca ttgctcacat agtaggcaat 60
ggcgttgctc tcaaacacac agaatccatc atcaccctca aatgctggga ccttgccggc 120
aggaaatttg cggagaaaatt caggggtgcg gttggtttg 159

```

<210> 1358

<211> 306

<212> DNA

<213> Homo sapiens

<400> 1358

```

cctgtcagag tggcactggg agaagttcca ggaaccctga actgtaaggg ttcttcatca 60
gtgccaacag gatgacatga aatgatgtac tcagaagtgt cctggaatgg ggcccatgag 120
atggttgtct gagagagagc ttcttgcctt gtctttttcc ttccaatcag gggctcgctc 180
ttctgattat tcttcagggc aatgacataa attgtatatt cggttccccg ttccaggcca 240
gtaatagtag cctctgtgac accagggcgg ggccgagggg ccacttctct gggaggagac 300
ccaggc 306

```

<210> 1359

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1359

```

agagggagtc cagcccccaa gccttgtgag gcactgttar gcagataggg aaaagagggg 60
tccttagatc actggttcaa ggagggatct ggtaggggca gcatttcttc tgggctggaa 120
acagaatggg gggttcaaga tggcagaacc attccattat tggagctata agcccctaga 180
attgctccat ggctatctc gggttccctt ggatctcatc tgctcctgaa ctgcacctgt 240
catggcaagt ccatctccgg ccccatctc ccctgagcca atgtgagtca ggtgaacaaa 300
attcattggt tcccaaatca tgggtccggtc aatccgtctt ctcttcttct ttcttctcca 360
ccatccagac gttcagctac ag 382

```

<210> 1360

<211> 365

<212> DNA

<213> Homo sapiens

<400> 1360

```

aaaaaacctt tcaaaataaa acttagtaaa atctagaact gkttcttggc ctacttgaga 60
ggaacttcca tattttcaca gccatctccg aaagcagcag ttgctgtaaa ttaactgaga 120
cttggaatg gtgcagactg tcttggtaga gctgttctta tagcacaatt ttatctggaa 180
aataaacttg taaatgcgtg ctgtatatta atacatgtgt gcccatattt atttttatta 240
tctcctgccg gtctttgctc aatgggagat gacagaccaa cttctcaacg tgatttcccc 300

```

atttcattga atgacattta tatgccactt atgaaaaaaaa tactgctgtg aaagaaatgt 360
acttt 365

<210> 1361
<211> 502
<212> DNA
<213> Homo sapiens

<400> 1361
gaggtatgga aaaatatcaa caaggaaata ttagatttga actgctgctt cgtttagcaca 60
cagcacattc tccaggatat accatatgtt aggacacaaa acgggtctca ataaattttt 120
aaaagtcaaa atcttatcaa gtatcttctc agaccacaat ggaataaaaac tggaaatcaa 180
taacaagagg aacttctgaa attgaacaga tacacggaaa tcaaactaca tgttcctgaa 240
tgaccactgt gtctatgaag aaattgattt taaaaattta aaaattcctt gaaacaaatg 300
aaaatagaaa cacagcatat aaaaatgtat aggggtacaac aaaagaagtg ctatgaggga 360
catttatctc aataaacacc cacatcaata aggtagaaag tttttaaaca aataacctaa 420
taaacgcata tcaaggaact agaaaagcaa gaacaatca aacctaaaat tagaaggaaa 480
taaatagtaa agatcagagc ag 502

<210> 1362
<211> 545
<212> DNA
<213> Homo sapiens

<400> 1362
ctgattggat gtctaggaat gactgaaaga aacccaaaaca gcctgtccac tgctgctgtg 60
ggatggagga ggcgtaagca gaaacactaa cagtatactg acctcttagc agaaccgctt 120
ccattctgga gatcacggt gctaaatcca gcatccccac ttcattttac ccccgacata 180
ttgttctgta gtcttttctt gaaacatctt gattgctttt cctcggcagc tttcaaaaaa 240
ccaaataata atagtattcc gtcttctact tcatggaaga ttgttttggg gccctgaccc 300
tctgaagtgc ccagttcctg ccatctgaaa cctcggcctg atctgatctc atgttggaat 360
ctgcctgtct ttcacacagg gctggctctg gtcctttaca tgccagtttt gcttgatgta 420
tcttgctttt ttcctctcat cagccttaag tttaggcgtt tggtgttctc cagtgatgta 480
gacagttccc ttcacaagtc acagttcttc ccataaatga ggcccgtgta cctctgcggg 540
acttt 545

<210> 1363
<211> 286
<212> DNA
<213> Homo sapiens

<400> 1363
gggagatgca ggatgtagac ctgctgagg tgaagccttt ggtggagaaa ggggagacca 60
tcaccggcct cctgcaagag tttgatgtcc aggagcagga catcgagact ttacatggct 120
ctgttcacgt cacgctgtgt gggactccca agggaaaccg gcctgtcatc ctcacctacc 180
atgacatcgg catgaaccac aaaacctgct acaacccctt cttcaactac gaggacatgc 240
aggagatcac ccagcacttt gccgtctgcc acgtggacgc ccctgg 286

<210> 1364
<211> 503
<212> DNA
<213> Homo sapiens

<400> 1364

```

ccatcaggat catgaaaaca aactttgggtg aatgtgagca actgcgccag acaggacaca 60
ggttacaggg cctgacgtca ctaacggtaa ctgacaatct tggaatggac cctactgctg 120
atgtttcaaa aggacacaga ggtgaactgg tcacttctaa ttaagaagag ccagtggggg 180
gggggaagct gaaaaccaaa aatccacgta gacatacgtg gcagtgtgaa cgtctgtcct 240
ccccttcctt ctctcactt cctctcctcc tcctcactca ggctgggtatt ctctgggtgt 300
gcggatgtca gcttgccctg cagaagggct gccagttttt tagatgtctt tttgagaaac 360
gagctgcccg gatgggcact gttcacgtgc aggtacaggt cctcctgggt ggggcccggt 420
tagccgcaat cctcgagac gtagagcttg tcccgcgct gcttataggc atactgctgc 480
tgcaccccat ggattttctt cag 503

```

<210> 1365

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1365

```

ctgggcggct ccacgctcat ccagtgggcc taggttctga ctgaccagcg aacaaaaact 60
gtgacagaga tctaggattt cattcaggca gtgaaacacc taccgggaa acagagttgg 120
cattaggaag ggaaggaagg tacatccatg aagttaaagt gttaggagaa cagtctgatt 180
aatagctgat ctaattaata gctgacctcc caaatctgac aggatagaca ctgccacgtg 240
caagg 245

```

<210> 1366

<211> 131

<212> DNA

<213> Homo sapiens

<400> 1366

```

aaaatcccca taaatctttt ctgtcctgag gtagttgcaa aataaatcat aacttggata 60
tcaactagag ctgaggcttt gactttttac tcattaaaaac tagttgttac aggaactacc 120
tttagatatt t 131

```

<210> 1367

<211> 430

<212> DNA

<213> Homo sapiens

<400> 1367

```

ctgtgcagtt atatgaccat aaaggaaatg aaccattaaa aatggatcta cagccatata 60
ttctgccgtt actcagagggc ttaatgattt attttcccc tccagccctg cctttaccag 120
gttaaattgac agaagacctt ctattgtacc tattgttcaa aaaatattac tgttctgtgg 180
aacctgggag agtccaattg ataagagaaa ctgaatcata ctgatgaggt gaaggatagg 240
tctgccggtg tggggcaggg cactctttct cagcagccaa gataacttat cacacacgaa 300
gcagagagaa tgcacccgat gaaaatctct ctgaactgtg ttccttgaag gatctcttaa 360
aaaaaaaaa tctgaaacat catccattga acaaatgaaa ggcttatacc ttaccatga 420
agaaacattt 430

```

<210> 1368

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1368

```

ctgggcggat agcaccgggc atattttggg atggatgagg tctggcacc tgagcagtcc 60

```

```

agcgaggact tggctcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120
gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180
ttacagggtt gggaacagct cgtacacttg ccattctctg catatactgg ttagtgaggt 240
gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcttt gtgg 294

```

<210> 1369

<211> 429

<212> DNA

<213> Homo sapiens

<400> 1369

```

ctgaaggcaa tgggggactg aggaaggagg cagcagaagt aggagaggag caagaatcca 60
gaagggaaat gagaacgaca aaactgaagt gcacttcaac atcctgcagc caaaggggta 120
aaaaggagaa agaagtgcag accagtcaca taaatgccac agtgacatgc acaaaaacgt 180
gaggggcaca ctccagggac agagtctgac aacatgacaa gctacatggc atcaaactct 240
ttcatgtgac aggcagcttt tcacatgtgc atcttaagac tggaaacttg tatagataaa 300
ccttaagtag ttaataaaaag caaaagtcac cctctattca ctgtttgctg ccatgtttcca 360
ggcatagtac ttggcacttt ttattttatt tcacttgatc agctcagaaa gtcctccaaa 420
tgagtattt 429

```

<210> 1370

<211> 540

<212> DNA

<213> Homo sapiens

<400> 1370

```

ccactcccag gatgctgggt ctgcttgct ggctgggacc cgggagccgt cagtccacgc 60
actcccggat gcactcaaca acctaaggac gcaggagggt tccgggggatg gtccgagctc 120
gtccgtagat tggaatcgcc ctgaagatgt agaccctcaa gggatttatg tcatatctgc 180
tccttccatc tacgctcggg aggtagcgac gcccctttc ccccgctac aactgggagc 240
cgctgggcag aggcagcacc tgctttttcc ctacccttcc tcgattctgt ccgtgaaatg 300
aattgggtag agtctctgga aggttttaag cccattttca gttctaactt actttcatcc 360
tattttgcat cctcttattc gttttgagct acctgccatc ttctctttga aaaacctatg 420
ggcttgagga ggtcacgatg ccgactccgc cagagctttt ccactgattg tactcagcgg 480
ggaggcaggg gaggcagagg ggcagcctct ctaatgcttc ctactcattt tgtttctagg 540

```

<210> 1371

<211> 142

<212> DNA

<213> Homo sapiens

<400> 1371

```

ttaaaatggt agcacaagag tctggcaagt tgggtactgca gagaaaaggg gttaattgag 60
gcttggttgg agtcgggatt cccctttccc aaacatgcgt ctgccactt ggacagcagc 120
catttgtagt cgtatacttt tt 142

```

<210> 1372

<211> 377

<212> DNA

<213> Homo sapiens

<400> 1372

```

ccaccatctg tgcaagtagc caaaaccact ccttttaaca cgagggagcc tgtgatgctg 60

```

```

gctgtctatg tgtggggctt ctatccagca gaagtgacta tcacgtggag gaagaacggg 120
aagcttgtca tgcctcacag cagtgcgcac aagactgccc agcccaatgg agactggaca 180
taccagaccc tctcccatTT agccttaacc ccctcttacg gggacactta cacctgtgtg 240
gtagagcaca ttggggctcc tgagcccatc cttcgggact ggacacctgg gctgtccccc 300
atgcagaccc tgaaggtttc tgtgtctgca gtgactctgg gcttgggcct catcatcttc 360
tctcttggtg tgatcag                                     377

```

<210> 1373

<211> 504

<212> DNA

<213> Homo sapiens

<400> 1373

```

ccatgctaag tttgggaacc gctggtgatg ggacatggat gcttgcaacc gaccgtgggc 60
ggatgtggtt gaccagatgg cagaggacga caccatccat gagggctgcc cccaggtctt 120
cgtgcagact gaccttcaat ctcatctcaa tgctctcacg aagttgttcc accagctctt 180
tctcttctct catctgctcc attttcctcc ggattgtaaa ctgcgggtct atagattcca 240
aatttctctg aggtcttaga aacacagact cagaaatcaa atgaggatgt ctcagaaagg 300
agtcactttt ccagaggcag gctgcccctt aactcagccg agcagcagga accactgggg 360
ccaaagctat tttatcttcc ttaggtaaaa aaaaatcaat agaatatattc ttccccgctt 420
acatgctccc accactgatg aacgcgatct tcagcaagaa gaactttgag tccctctccg 480
aagccttcag cgtggcctct gcag                                     504

```

<210> 1374

<211> 201

<212> DNA

<213> Homo sapiens

<400> 1374

```

cctccgtaag atgcttgaca attttgactg ttttggagac aaactgtcag atgagtccat 60
cttcagtgtc ttttgtcag ttgtgggcaa gctgcgacgt ggggccaaagc ctgaggggcaa 120
ggctataata gatgaatttg agcagaagct tcgggcctgt cataccagag gtttggatgg 180
aatcaaggag cttgagattg g                                     201

```

<210> 1375

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12

<223> n = A,T,C or G

<400> 1375

```

ctgtgaggct gnttccaagg aggaaaaaaa ggaaaaaaat cgatatgtaa acatcttgcc 60
ttatgaccac tctagagtcc acctgacacc ggttgaaggg gttccagatt ctgattacat 120
caatgcttca ttcacaaacg gctaccaaga aaagaacaaa ttcattgctg cacaaggacc 180
aaaagaagaa acggtgaatg atttctggcg gatgatctgg gaacaaaaa cagccaccat 240
cgtcatgggtt accaacctga aggagagaaa ggagtgcagg tgcgccagct actgg       295

```

<210> 1376

<211> 318

<212> DNA

<213> Homo sapiens

<400> 1376

```
ccagcgctac tgtactggcc cagggcagag ttcattgtatc tcgtcttgac cacgtctaca 60
ggggaggcga tgacagtggg gcagaagcct gcccacaaagg cagaagtga gtggcaagg 120
aggatcatctg tcatgaggtt ggctttcagg agggcatcct tgatgaggtc ataggtcacc 180
agctcagcac agttgacaat ggcattacga gcaacattgg gggagggtccc tttccagagg 240
ccccggaacc cttcctctcg ggcaatgggc ttgtaggcat tgacgggtgct ttgggtatctc 300
cgaccacctc cagcccgg                                     318
```

<210> 1377

<211> 143

<212> DNA

<213> Homo sapiens

<400> 1377

```
gtggattccg ytccgggcac cgatctcgcc aagatcctga gtgacatgag aagccaatat 60
gaggtcatgg ccgagcagaa ccggaaggat gctgaagcct gggtcaccag ccggactgaa 120
gaattgaacc gggagggtcgc tgg                                     143
```

<210> 1378

<211> 98

<212> DNA

<213> Homo sapiens

<400> 1378

```
aaatattggt aatagggtcgg caacagcaac tatagaagta caactcaata gatggcatta 60
aaacatattg tagtgtggat atatattttt tctttttt                                     98
```

<210> 1379

<211> 330

<212> DNA

<213> Homo sapiens

<400> 1379

```
aaagatgttc acgttacgct ggaccaaatt aagacgggctt tctccctctt gctgacgtgc 60
cccagcgtg ataatgacca gcttggagtt tgcagttaca ttatagtctt tgccagagac 120
aatctttggt gttctaagga aaaggctgcc atgttggaga tccatcatct ctcccttcaa 180
tttgtcttcg acgacatcaa caagagcaag ttcattctgcc aagtccttca ttaagatact 240
gatggcacag gccatgccaa cagcaccaac cccaacaact gtaatcttat tctgggggggt 300
ctgttcttcc tttagaagat tataaatcag                                     330
```

<210> 1380

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1380

```
ccactcctgg aaaccactg atagatgagt ttccccatt cttctggcct ccgccacatg 60
atcaggaagc tggacttgct cttatccaac cactcgaggt tccctttctt cctcagttcc 120
tctaatacaa tctggatcga ctccacagga agctttcgct gtagcttgac gttgttgaag 180
agcgggctct cctgagcttc catcacgcgc atgctggact gtttgtgcag gcggcagaag 240
gacaggacca gcgagcacca ggcgggccag                                     269
```

<210> 1381
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 1381
 aaaagagagg aaaggcagtg cagggctgga ggtcctggag ggtggcggcg ggtcgtccta 60
 actagcaggc tgaaagggtgc tggaggggat gccttcactc agaggaagtt cacagccacc 120
 tgccttgga catgtacctg ttcattcttt cgtaatgtta gtattcattt tgctatcttc 180
 ctgttgccat ttccaaacag tgtcagtatg tttttgttaa atacgaacat tt 232

<210> 1382
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 1382
 aaacgtgcta aagggaaagg aatctgacat tctgggtaaa tcttactcaa tctaaatcaa 60
 agcttggttt tcaggaggag gaagggtgcga gcgcaggcag aggtgctgaa tactcctctt 120
 ctgattcact tccatcatcc tctttctctt ggtcactgcc ctgagtgcta agccgggtcaa 180
 acccttttgc actgtagccc ttacggcttg caaagaaatt accaaggttt aagcctccac 240
 ttccctttcc tctaaatctt cccagtactc ttcttgaact cgtctcgagt ttgtgttcag 300
 aatctccaaa ggcccttgat tttttccacc gaataaatat ggcaatgg 348

<210> 1383
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10
 <223> n = A,T,C or G

<400> 1383
 ctgcttcaan acctcagctt catgggactt gcgtctttct tctgcagctt ctaatttctt 60
 ctgaatttcc tccagggaaa gattccttctt ctttgaggag gaaaggggga attctggaac 120
 agattctttt gaccgagggc tgagaatcag ctcaaaagcc tggcccgagg cacgcttctc 180
 cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag 240
 tgtattctgc acaatcaact gggataagga aagtcctgct cagtccgagc cgc 293

<210> 1384
 <211> 573
 <212> DNA
 <213> Homo sapiens

<400> 1384
 ctgaagcaac ttgggattaa ttgcttgatt agcttcacga agcacagaga taaggctcgt 60
 cacttgcttt atgttattag gtgtaaagaa agtgatgct gtgcctgttt tggtagtgcg 120
 agcagttctt ccaattcgat gaatataatc ctctgaggag ttagggtagt cataattgat 180
 gacaaatttc acatcttcca catctagccc tctggaggcc acatctgtag caatcagaat 240
 aggagctttt ccatgtttga attcatttag aaccagtcga cgctcttggt gactcttgct 300
 accatggata cccatggcag gccacccatc tctcctcatt tttctggtaa gctcatcaca 360
 tcttcttttg gtttccacaa aaacaatggt tttattctcc ttctcactca tgatctcttc 420

```

cattagacga ataagttttt catccttttc tacgtcatga cacacatcca caatctgaag 480
aatgttggtg tttgcactca gttcaagtgc accaatgttt atatgaatat agtctttcag 540
gaaatcttca gcaagctgtc ttacttcttt tgg 573

```

<210> 1385

<211> 150

<212> DNA

<213> Homo sapiens

<400> 1385

```

ccaaggccgc tagggtcctt acccctcagg atcaactcccc agccctttcc tcaggaggta 60
ccgctctcca aggtgtgcta gcagtgggcc ctgcccaact tcaggcagaa cagggaggcc 120
cagagattac agatcccctc ctgtaagtgg 150

```

<210> 1386

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 139

<223> n = A,T,C or G

<400> 1386

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aaatgatggt ttgggtaaga gtggaccatg agaattagct gacagcatcc cttttctctc 60
tccctgcctt ggtgggaccc tccctgtgtg accttggtca agtcctcgaa cttttgtccc 120
gtatttaaga tggagctgnt ttacctactt cataagaca 159

```

<210> 1387

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 20, 41

<223> n = A,T,C or G

<400> 1387

```

ggtgnaattc gcctttgaan ggccgccggg caggtccttt ntgtstgctg aaggcagatc 60
gcttggtcca caccagctac cactcccagg cagtgcataat ccgccctggt tgcagaaatg 120
cacgctgtac tagcatctcc tgggagctga ggcagaccct gtcagttgta tttgatgcct 180
tcatcacggg gcagggaag aaagactggt cctctctccg gatgttctcc cgaaccctca 240
cggagccctg cccctggct tcagagagcc gagtctatgt ggacatcacc acctacaacc 300
aggacaacga gacattagag gtgcaccac ccccgaccac tacatatcag gacgtcatcc 360
taggcactcg gaagacctat gccatctatg acttgcttga caccgccatg atcaacaact 420
ctcgaaacct caacatccag ctcaagtgga agagaccccc agagaatgag gcccccccag 480
tgccctttct gcatgccag cggtacgtga gtggctatgg gctgcagaag ggggagctga 540
gcacactgct gtacaacacc caccataacc gggccttccc ggtgctgctg ctggacaccg 600
taccctggta tctgcggctg tatgtgcaca cctcaccat cacctccaag ggcaaggaga 660
acaaaccaag ttacatccac taccagcctg cccaggaccg gctgcaacct cacctcctgg 720
agatgctgat tcaga 735

```


<210> 1388

<211> 369

<212> DNA

<213> Homo sapiens

<400> 1388

```

ctgggggacag cctacagggg cctccagcct gtgccagacg aggaggtgat tgagctgtat 60
gggggtaccc agcacatccc actataccag atgagtggtct tctatggcaa ggggccctcc 120
attaagcagt tcatggacat cttctcgcta ccggagatgg ctctgctgtc ctgtgtggtg 180
gactactttc tgggccacag cctggagttt gaccaagcac atctctacaa ggacgtgacg 240
gacgccatcc gagacgtgca tgtgaagggc ctcagtgtacc agtggatcga gcaggacatg 300
gagaagtaca tcctgagagg ggatgagacg tttgctgtcc tgagccgcct ggtggcccat 360
gggaaacag                                     369

```

<210> 1389

<211> 322

<212> DNA

<213> Homo sapiens

<400> 1389

```

aaagatgttt ctggcatttt ctttttattt gtaagggtgt ggtaactatg gttattggct 60
agaaatcctg agttttcaac tgtatatatc tatagtttgt aaaaagaaca aaacaaccga 120
gacaaaccct tgatgctcct tgctcggcgt tgaggctgtg gggaagatgc cttttgggag 180
aggctgtagc tcagggcgtg cactgtgagg ctggacctgt tgactctgca gggggcatcc 240
atttagcttc aggttgtctt gtttctgtat atagtgcacat agcattctgc cgccatctta 300
gctgtggaca aaggggggtc ag                                     322

```

<210> 1390

<211> 450

<212> DNA

<213> Homo sapiens

<400> 1390

```

aaatattagw tgagacttta caggcacata actgttcaga tagaaacaaa cataacagac 60
taaaatactt tcaaaattaa agccatctag aaaatggaag taactgaaac tgtagccatt 120
acaattcttt ttctggtttt gagcaaaaat tttatctctc tggcaaaaca cttttgtctg 180
atcatttgag agacagggtt cttgtatact gtttcttcaa cgtaaacctc atttacaaaa 240
atagtgcacat agcattatga ataaactatg aattggggac catggaaatg cactagaaca 300
aattttgtaa aaatatggca gatatggaag ttaaaaatag aatggatgca aggactgtac 360
taaagggtgt tggtgtagtt acaatgttca ctttgcacaa ctatccctat agtctaggtta 420
gccattgggt ttctcctcag cagtgtcaga                                     450

```

<210> 1391

<211> 304

<212> DNA

<213> Homo sapiens

<400> 1391

```

aaaaaatcat aaatgggggt tcataatcca aagttgaaac atttattctt catagcttca 60
gaatttaaca accaattgta gaccatgctt tccaaatcca gtcttctttg ctatttttca 120
aaacttctga gatctagtat taaactgctc cattctaaat gtatagtttt agataagtat 180
tgtacacttg ttgataagggt ttttctgaaa gcagtctatc aaatataaag aatggtttct 240
atctaagaat cagcagtgag ggaagaaata ttaaaccact atcaagaaat caattattca 300
tttt                                     304

```

<210> 1392
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 1392
 ctggaagaag aactgagaca gcagaaagaa gcagcttggt tcaaggctcg tccaaacacc 60
 gtcattcttc aggagccctt tgttcccaag aaagagaaga aatcagttgc tgagggcctt 120
 tctggttctc tagttcagga 140

<210> 1393
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 1393
 aaaaactttgt ttttcttaaa agcttacagt gtttggctaa ttctcctccc ctttttacia 60
 gacggggggcc ggagggtgga cactggtggc aggttaaggg atactgtcac ttttaagaagc 120
 ctgcagattg aagtgtaaac atggagaaat taggggctga tttttt 166

<210> 1394
 <211> 543
 <212> DNA
 <213> Homo sapiens

<400> 1394
 gcagaggctg tggtaacaac tggtccttgg tgaagacctg cacccttgga acctcccacc 60
 atcatcacaa ctgtagtctc atttgacgtg gagaaaagaa cccgacgtcc cacagccaga 120
 tatacaccca gctccatgcc agcccttcat gtttaccttt tgctttgtta attacatgtc 180
 agactcctag agggcctcca gactaatagg aagcatttct gtaaccaacc tgccacccac 240
 tgattcagaa atggaaatca cattccacaa tctatggctt ctaccagcta gcccaggaaa 300
 tacttgaaat cagcattcca attagtgttg agtctcttga ttgtgtcatt taccaattaa 360
 ataactgaga cctaagtctg ggaacagagc cacgaatctg cctttgagat gctggcagat 420
 ctcaaggcca tcaattattg ggggagggag ggacaaacac tcccaatcat ccaccagtca 480
 gactgaatgt gtagctggcg aggaattact tccacttctg gccagcaca agccctgctt 540
 tgg 543

<210> 1395
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 1395
 cctatcatca gtgggggttg attcaccatc atccagggtg ccatcttcat acaagggtact 60
 agctatgacc aaccgaaact tgtcacccaa gtctacaggg taaatttgaa tggtttacatc 120
 taagattaga tccatcttga aagattcact ctacacatgc agtcgagaca ctcggtcaaa 180
 cttcttgccc tccgggtcaa tatccttcac atcgaaaata tcctcaaaca ggatgccccg 240
 catcgcgagg gggccacgag agcagcagaa ggggtgagag cgcgaccaca gttgggagta 300
 cgtgcacccc cttagcgtgga caagaccgga gagaacaaa agcacctcct gaaagcgcg 360
 cggc 364

<210> 1396
 <211> 422

<212> DNA

<213> Homo sapiens

<400> 1396

```

gctgctgctg ctattgtgtg gatgccgcgc gtgtcttctc ttctttccag agatggctaa 60
cagggggccc agctatggct taagccgaga ggtgcaggag aagatcgagc agaagtatga 120
tgcggacctg gagaacaagc tgggtggactg gatcatcctg cagtgcgccg aggacataga 180
gcacccgccc cccggcaggg cccattttca gaaatggtta atggacggga cggtcctgtg 240
caagctgata aatagtttat acccaccagg acaagagccc atacccaaga tctcagagtc 300
aaagatggct ttttaagcaga tggagcaaat ctcccagttc ctaaaagctg cggagaccta 360
tgggtgtcaga accaccgaca tctttcagac ggtggatcta tgggaaggga aggacatggc 420
ag                                                                 422

```

<210> 1397

<211> 653

<212> DNA

<213> Homo sapiens

<400> 1397

```

ctgacctgct atcccccccc aaatttcagc ctgaggtata tttcagtga ggcaggtagc 60
tgtgtctctc agagcagaga agcagtttta agagcaaaaa ggtagaggaa atctagaaaa 120
gaaccgtctt gatacagatt tatcccatgg tgtgaaggga gggcaaagaa cccagtggca 180
cttcgcttat ccagcaattt ctgtcactgt ggtgaccaac ttctgcccgt tccatagggg 240
cttgaactgc tcaggaactg ggaattcatt aaagtcaccg ccttctgtag gaatgaggac 300
attcatctcg gaagatttgg cactgactat ttcacaatcc aggggaattct tgctcaggta 360
agcatggcag ccactctgtt tgttgatgga tatggttggc actttaccca ttacctgaac 420
tttgacatcc ttactgttga ttatctccac aatgcccacc acgtcatcga ataccaggcc 480
aagtttctta cagttatcta ctgtaatgga gttaattttg cccttgattt gcaatgtcgt 540
gttgacacac ttgtatatgt aagccacctg tttcagctct gtgtcctcaa tcaccagggt 600
ggaaacattt tcctgatttt ccctctccct tcttgccctc agttcaagta cag          653

```

<210> 1398

<211> 261

<212> DNA

<213> Homo sapiens

<400> 1398

```

aaaattataa ctactcattc tttcttttagc cttagataat ttgagcagaa gccacaacaa 60
gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc 120
cacactacta ccatttacag ttgtaggttt gtaatgtata attatgtaat gcasaaacta 180
gctttgactt gtgtracgat gcactgtcaa aggaagcaaa gtaagaattg aaattccaca 240
ttcccagaat ttaacactca g                                                                 261

```

<210> 1399

<211> 195

<212> DNA

<213> Homo sapiens

<400> 1399

```

ctgattttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagtga cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agttt                                                                 195

```

<210> 1400

<211> 120

<212> DNA

<213> Homo sapiens

<400> 1400

ctgcctccaa ccctttgggt ctccaccacc caagtttcct gtaggggccg ccgggtccag 60
gatcacaggc ctgggttttcg tgagctgcct tctcaggtag ttttcaataa tggggttttt 120

<210> 1401

<211> 284

<212> DNA

<213> Homo sapiens

<400> 1401

ctgtagccaa aaagatgctg gggcagattg tggacaagta gaagcacctc cttccccctct 60
gcgacattga acggcgtgga ttcaatagtg agcttggcag tgggtgggcgg gttccagaag 120
gttagaagtg aggctgtgag caggagcctc tgccagggga catgcaatct gcaggaggagg 180
gctgaggggg gtcccatggg ctctgctgtc ttctctgtcc acctctttgt agaggagctt 240
gagctccagg aatgctctgg tcagggtctgc tgtgactgtt ggcc 284

<210> 1402

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1402

ccaggtttct gctggtacca ggctaagtag ctggtgctgg cggaacact gtgactggcc 60
ctgcaggaga ggggtggtct ttcccccgga gacagagaca gcgtgtctgg agactgtgtc 120
acttcaagct ctgcgatgcc atctgggagc cagagtagca ggaggaagag aagctgctgt 180
ggggtttcca tggttccc 198

<210> 1403

<211> 441

<212> DNA

<213> Homo sapiens

<400> 1403

aaactcaaaa ttgacaaatt aactagcttg ctttttgtca tttggaagac taccattatt 60
caaattttatt atgtaataca ctcatccaga taatgaaaca tctgcgaaaa aaagtgtggg 120
aatcacctca tctgtgcata aaatggctat tatacatgaa tgcagacgtt tgaagttaga 180
aaggaatata actcaaatag caaaagggtcc taattacaga gtttacaaat aagcagtttt 240
atthttcaaaa gtacatagta agtccagact gggctattgc caaagaacta atcttttagtc 300
tactttcaaca tgttacatgg tattcctgac tctacagact atcagcatct gtggagggtta 360
gtccttaaaag gtcccaaaga acaggaaaca tgcaggaata aaggactcct catgaagagc 420
aggtgggagc gagtgggcag g 441

<210> 1404

<211> 243

<212> DNA

<213> Homo sapiens

<400> 1404

```

tgaaggggtt cttggaagac ctggcacctc cagagcgcag cagcctaatt caggattggg 60
aaacatctgg gcttggtttac ctggactata ttagagtcac tgaaatgctc cgccatatac 120
agcaggtgga ttgctcaggt aatgacctgg agcagttaca catcaaagtg acttcactgt 180
gcagtcggat agagcagatt cagtgttaca gtgctaaaga tcgcctggct cagtcagaca 240
tgg                                              243

```

<210> 1405

<211> 168

<212> DNA

<213> Homo sapiens

<400> 1405

```

aaaccactgg atctatctaa atgccgattt gagttcgcga cactatgtac tgcgtttttc 60
attcttgtat ttgactatatt aatcctttct acttgctcgt aaatataatt gttttagtct 120
tatggcatga tgatagcata tgtgttcagg tttatagctg ttgtgttt 168

```

<210> 1406

<211> 486

<212> DNA

<213> Homo sapiens

<400> 1406

```

ctggacatac agaaattggt gaatttttgt tgcaacttgg agtgccagtg aatgataaag 60
acgatgcagg ttggtctcct cttcatattg cggcttctgc tggccgggat gagattgtaa 120
aagcccttct gggaaaaggt gctcaagtga atgctgtcaa tcaaaatggc tgtactccct 180
tacattatgc agcttcgaaa aacaggcatg agatcgctgt catgttactg gaaggcgggg 240
ctaattcaga tgctaaggac cattatgagg ctacagcaat gcaccgggca gcagccaagg 300
gtaacttgaa gatgattcat atccttctgt actacaaagc atccacaaac atccaagaca 360
ctgagggtaa cactcctcta cacttagcct gtgatgagga gagagtggaa gaagcaaaac 420
tgctggtgtc ccaaggagca agtatttaca ttgagaataa agaagaaaag acacccttgc 480
aagtgg                                              486

```

<210> 1407

<211> 560

<212> DNA

<213> Homo sapiens

<400> 1407

```

aaatatatgc ttttctagaa tttgatgttt gaccatttat gacttaatta ccagagagcc 60
agtaaattag gacagtgttt caacaagcct aggctatctc gtaagtgtga aaatatccca 120
ctatagttgc ttcattgagta tgaagtaaga tggcctctga ttacactgg ttcaatttac 180
aaattttcaa ctttatgata ggtttatcag ggtactaaat gcatttcaac ttgatagttt 240
caacttatga taggtttacc aggatgtagt ccactgttg aggagcatct atttaggagt 300
taattacttt agtaataagt ggaaagtaag ataccttgag taatgtttgc ctataaaaatt 360
gtcagcgtat ttttacacta ttggctcaag aatgttataa tgctaaggga cataagtttg 420
caaccacttg gtttttgtaa ggactttcgg tattgtatta gaagtctgcc ctagctgtta 480
aatttctggg tatttatcct aaggaattaa ttaaagagtt aattgttcct ttcttcagt 540
ggccattgtt ttagatattt                                              560

```

<210> 1408

<211> 360

<212> DNA

<213> Homo sapiens

<400> 1408
 ctgcctagtt gtagttgaca gacaacttta taagctctag tcaaccctat tgactaagct 60
 tctgaaccac tagcatagtt ctagggtcag gcggatgcct actgtgggca ggaaagtgat 120
 gcatgcatgt gtgggagcag tgtcttaatg tctgaaatag tagccatgag ctacatgtgg 180
 ctatggagca cttgaaatgt gggagtccaa attatcatgt gctgtgagtg taaaataata 240
 tgtttctaag accgtgtgtg aaagaatata aaatatctca ttaaaaaatg tttatattga 300
 gtacatgttg aaataatfff atatttgtga cacatttgtt taaataaaat attaaaattt 360

<210> 1409
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 1409
 ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag 60
 cttcaattgc caatttgggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat 120
 aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt 180
 tcgaatccat ttctgtcact agcctggc 208

<210> 1410
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 1410
 aaaaaaagga aaaagtttta ttacgaaact agtttgtata aaacagggtt atacatattt 60
 ttgtaagttt gtaataaaac agtaagaaaa aaaaggcagt aatagaaatc tccaaaaggc 120
 aacctatcaa aaccaactgg ctgccacttt gagtttggac agtagctgca taaactttgt 180
 tcttcttgar cagtatttaa taacatcatt aatacattaa caacatttct ataaagtaag 240
 acacattggt gctgaagtac aactgggtggc ctcttgatct cacctatgag gagagttctt 300
 tacamawcca catagggaaa attgcagtgt taagggtgarc tacacatcta aaatatgcag 360
 aggtaatagc attacatgtt aaagtatcaa gatatacaca tttt 404

<210> 1411
 <211> 623
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 428, 469
 <223> n = A,T,C or G

<400> 1411
 ccacttggtg agatatgggg agcctacact ccggagggst gtaccttttag cactggccct 60
 catctctgtt tcaaatccac gactcaacat cctggatacc ctaagcaaatt tctctcatga 120
 tgctgatcca gaagtctcct ataactccat ttttgccatg ggcatgggtg gcagtgggtac 180
 caataatgcc cgtctgggtg caatgctgcy ccagttagct caatatcatg ccaaggaccc 240
 aaacaacctc ttcatgggtg gcttggcaca gggcctgaca catttaggga agggcaccct 300
 taccctctgc cctaccaca gcgaccggca gcttatgagc cagggtggccg tggctggact 360
 gctcactgtg cttgtctctt tcttgatgtg tcgaaacatt attctaggca aatcacacta 420
 tgtattgnat gggctgggtg ctgccatgca gccccgaatg ctggttacng tttgatgagg 480
 agctgcggcc attgccagt tctgtccgtg tgggcccagg agtggatgtg gtgggcccagg 540

```
ctggcaagcc cgaaaactat cacaggggtc cagacgcata caaccccagt gttggtgggc 600
ccacggggaa cgggcagaat tgg                                     623
```

```
<210> 1412
<211> 171
<212> DNA
<213> Homo sapiens
```

```
<400> 1412
gcggcgctgg ggggtgctgga gtccgacctg ccaagtgccg tgacacttct gaaaaatctc 60
caggagcaag tgatggctgt aactgcacaa gtgaaatcac tgacacaaaa agttcaagct 120
ggtgcctatc ctacagaaaa ggggtctcagc ttcttggaag tgaaagacca g          171
```

```
<210> 1413
<211> 189
<212> DNA
<213> Homo sapiens
```

```
<400> 1413
aaaagtcata aggggttttat tttgtatcat caaaatattc tataagggtcc caaatactct 60
ttttcaaccc atgaacagta agaatttgtg aattctgata atgaaaaaag ttttcctcca 120
ggtatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag 180
gaacaccag                                     189
```

```
<210> 1414
<211> 564
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 511
<223> n = A,T,C or G
```

```
<400> 1414
cctccccagc gcccaaaggc ctattacaag tacctataga cttttcacat ataagttcta 60
gtgggtacaa gctttttttt tttttttttt tttttttttt tctattgggk atttcattca 120
ttttgggggg ggaacaaatt ctacaaactg ctttaatatt gkcctttttt tctaataattc 180
acattaactt tttatgtaaa acataccaat gcttttaata aagcttacat aggaataaac 240
tattatagac ctgcatagat ataagtaccc atgtattaat ctacattaaa ataatggatt 300
ttattctgcg aaractccaa gttgctcctg ggkgctaagk gaagcactta gggaaatgtg 360
ttcagtcctt gaggtcatag gaacattara ttatatcaaa ggaaacctgg agccatcagc 420
taagtggccc ttctgtcctg tagatacata aaaactaatg ggctccgcta tgcggtcac 480
tttctgctat tagatactat gaggcactaa naaaaaacta ctgcctgcat catatctttc 540
ttcggtttga gataaagaga atgg                                     564
```

```
<210> 1415
<211> 231
<212> DNA
<213> Homo sapiens
```

```
<400> 1415
ctgcgcttgg ataacaagta attcaacgca cgcacttaac agaaatgtta aactataaca 60
agcaccattt gaggattaac aggaacattt ttttgaagat ttcaaacgaa ctcgactttc 120
```

```

agtataattg tacctaaagt atttataaac agctcatcgg agcctctatt tgtcatagac 180
ttttgagttg attggttgga ccacataata ggaccatttt tttttgtctt t 231

```

```

<210> 1416
<211> 540
<212> DNA
<213> Homo sapiens

```

```

<400> 1416
cttgatttag gatctgtggt gcagggcaat gtttcaaagt ttagtcacag cttaaaaaca 60
ttcagtgtga ctttaatat ataaaatgat ttcccatgcc ataattyttc tgtctattaa 120
atgggacaag tgtaaagcat gcaaaagtta gagatctggt atataacatt tgttttgtga 180
tttgaactcc taggaaaaat atgatttcat aaatgtaaaa tgcacagaaa tgcattgcaat 240
acttataaga cttaaaaatt gtgtttacag atgggtttatt tgtgcatatt tttactactg 300
cttttcctaa atgcatactg tatataattc tgtgtatttg ataaatattt cttcctacat 360
tatattttta gaatatattc gaaatataca tttatgtctt tatattgtaa taaatatgta 420
catatctagg tatatgcttt ctctctgctg tgaaattatt tttagaatta taaattcaca 480
tgtctgtgca gatttcatct gtataccttc aaattctctg aaagtataaaa taaaagtttt 540

```

```

<210> 1417
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 3
<223> n = A,T,C or G

```

```

<400> 1417
ttnatcatct aactgtggga tctattttcat ttctggaaat aacacaactt agttctaggg 60
ctttcatgca catgaaaat ataacagctt agttgttctg aaaacatgac aatgggtaat 120
tttattcaag tcccaacact gagttcagag cacttctcca taggccccat taatctctcc 180
aggtttctgg gagtatcatt aaatccctcg gcatccttaa gaagcagggt cttagcaaac 240
atccagtttc caaatgagag tcagaggggc ttgatcctga aagtgtagta ttttcctgcc 300
ttgtcctact ggtatagctt cttggaccta aaatctctct cctgctgagg 350

```

```

<210> 1418
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<400> 1418
tgctaggcag ccttattttc ataaccawt tagggaaagg aaatttagga ttttcaaggc 60
tacattaatt tttcctccat caaatcttga tttgttcttg ataaaaatga gttcttttgg 120
ggaaattctt tctttagaca ccaacttggg ttttctcatc ttccacagaa taattgaacc 180
cctgacctct agatgttcaa aattccgctt caagcctctg tcagataaaa ttcaacagca 240
gcgattacta gacattgcca agaaggaaaa tgtcaaaatt agtgatgagg gaatagctta 300
tcttggttaa gtgtcagaag gagacttaag aaaagccatt acatttcttc aaagcgctac 360
tcgattaaca ggtggaaagg agatcacaga gaaagtgatt acagacattg ccgggggtaat 420
accag 425

```

```

<210> 1419

```


<211> 390
 <212> DNA
 <213> Homo sapiens

<400> 1419
 aaactcttgc tattgaattg agatgattaa aatgggtgact taatccgtag ttattttgca 60
 cccactgaaa ggaaagtgtc ttccagaata atatgaagta tctaaaagtg tcaccttttc 120
 ttgctgatac aacaatttgg gcttcctgtt tgtacaaggg gccatttggc atacctttca 180
 cagcttttat caggccaagt taaaggctga ctacattttt tcatcatgag gaaagcagtt 240
 gaaatgaggc atgagttact gtgcattggg attttagaac aattttcttg tgacagctct 300
 ttttgtgaag ttaggttctt aaaagtgtcc atgatggtca cttaaaatgt gcagtaatat 360
 cactgccagg atcaagcatg aaaggctttt 390

<210> 1420
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 322
 <223> n = A,T,C or G

<400> 1420
 ttgctgaaca atgacatcgt tttctccagg ggttgaaatc catgtccatg gctgacaacc 60
 caacaaggct gggacccaaa ttcgtacaga gatgaggcag agtggagaga aacaactctg 120
 gctgagccag agtctccagc cactacttct tattcctggg ctttagctct tcggctgcat 180
 tacgcaggaa aatgtaattt tttttctggg gattataaaa ttcattgtccc ttgaccagt 240
 cgtagctgga agcgtatgca aatatgtttc cattgygatt gaaacagcaa gctgasatgg 300
 gctgayctaa ctgttccgaa gnttttagtt ttgktctggc atctttgycc cagaagctga 360
 atctaccatc agatcccaca gttgcaaggg tgccatgaac aggatggaac gccgattcca 420
 tttacccgca taaatgycct gaggagctga agtgttgggt ccattagatc gatgacattt 480

<210> 1421
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 1421
 aaactgattg aggtcacagt attttattat ttggggctct caccacagga aacactgcga 60
 tacaggggca aaagagatgg cagtgccaat taaattaata caacaaaatc aatgcagcac 120
 caaccaagac tgccaggctc ggtgtcatgg gtatgccag agcccaggag ttcagaaggg 180
 ccctaagcct gatttaatgc tctgctgttg atgtcttgaa attcttaaca atttttgaac 240
 aaggggcctg cgttttcact tcgcactggg ccttgcaaat tacatagcga gtgctcataa 300
 aagaactcag aaacgtggta cctctcttcc tggtggatag aaataaagaa atctggatcc 360
 aaagttgaaa gttgctggcg atatcattca agtaggactc taaatagtgg attaagatga 420
 ggggtgggcct ggggtgaagat tctttccagg ttt 453

<210> 1422
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4, 151, 166, 220, 231, 308, 349, 364, 511, 528, 537
 <223> n = A,T,C or G

<400> 1422
 tttnccttgac cactatacgg cacaacctag gggstgtawa aaacctascr caatgcagaa 60
 ggggtgaagct tcatgacaat tgggtctcggc aataatttgg gggatgtaac atcaacgaat 120
 cagacaacaa aagcaaggga atacacatgg nactaaatca gtgtgnggaa aaatatccca 180
 aacaggcaaaa gcacaacatg gamtagatat atgcacattn atggaccctg naggcakkac 240
 tcacaaacat actacctggg aagcamctgg acctttaagg gatgaggtag attcaacaaa 300
 cagggcancg tatmttccac tgggatagca ttccagcctt aaaaataang aaatcttgaa 360
 aagnactaca ataaggacaa atctcgaaca cattctgtta agtaaaacaa gacaagccaa 420
 aaagggaaaa ctgtataatt acacctatgt aaaatattta gtcaaactca aagaaaccaa 480
 gtgtttagt ctccagcagg caccaagatg naaacagtct ctcatagnct gagatangca 540
 tc 542

<210> 1423
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 1423
 ttaatgcaa atggcaaagt tgcattcgtg gaaatgggta aatatcatca ctgtcgggat 60
 gaacccctgc acgccctcta tgacaatgtg gagaaactct ttccagggtt tgagatagaa 120
 actgtgaaga acaacctcag gatccttttt aataatgctg taaagaaacg tttgatgaca 180
 gacagaagga ttggctgcct ttatcagggg ggcttggact ccagcttggg tgctgccact 240
 ctgttgaagc ag 252

<210> 1424
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 1424
 tttccactct gcacattgta gagggaaacac tctgtaggcc catgggtccc ttactagaga 60
 ggttgagtga atttgccctc agttaacatg ggaccttctg tttagcttcc tcttgcttcc 120
 caaagatttt aagcattttg taaatgtata aactcacctc tggtaacagt ggcccagacg 180
 ctgctttgtg ctaaaagcat gggaaatgta aaggcagtct ttctctggga aatggatgct 240
 attctattct gctgccccta cctgttcctg agg 273

<210> 1425
 <211> 618
 <212> DNA
 <213> Homo sapiens

<400> 1425
 aaaaaccttg tatagcaaaa taacttaaaa ccctttgtga tatcatctta ccagtttatt 60
 tggtaaaaac aaacagttat ttggtatttg tcagaattct tcagtgcctg ctattacagc 120
 tattttccaa ttactaattt gattatactc actcaaggca gtgcaagatc ttgaagtact 180
 ttttagcagt taagtaatat tgaattgtat tgaatagttt acatagttta ttctagtctt 240
 tgaaaattac tgaacatgga caatgtgcat gtcattgaca tctgccttag aacttctggg 300
 acaatcctga ttcgagagat tctatcccat tatttacata taccaaaaaat actttgttaa 360
 tttaatgtgt tggcttccca actcctgaac acgacacaat tttattatta gatattgtat 420

```

ggtgatttta ggctatgaaa acatgatcat tatatgtata tagatacatt tttatttggt 480
acaaatgttt gagcagctca ctagcccacc cctcctctat tttgggtaag agaatttact 540
acctttttta actatgtagt tgagagcaac atgtattttg ttatttttag aatggtcagt 600
atattgctat aaaatttt 618

```

<210> 1426

<211> 565

<212> DNA

<213> Homo sapiens

<400> 1426

```

gtggtagaaa gagatgacgg aagcacatta atggaaatag atggcgataa aggcaaaca 60
ggcgggccca cctactacat agatactaag gctctgcgtg ttccgaggga gaatatggag 120
gccatttcac ctctaaaaaa tgggatggtt gaagactggg atagtttcca agctattttg 180
gatcatacct acaaaatgca tgtcaaata gaagccagtc tccatcctgt tctcatgtca 240
gaggcaccgt ggaataactag agcaaagaga gagaaactga cagagttaat gtttgaacac 300
tacaacatcc ctgccttctt cctttgcaaa actgcagttt tgacagcatt tgctaattgg 360
cgttctactg ggctgatttt ggacagtggg gccactcata ccactgcaat tccagtccac 420
gatggctatg tccttcaaca aggcattgtg aaatcccctc ttgctggaga ctttattact 480
atgcagtgca gagaactctt ccaagaaatg aatattgaat tggttcctcc atatatgatt 540
gcatcaaaag aagctgttcg tgaag 565

```

<210> 1427

<211> 144

<212> DNA

<213> Homo sapiens

<400> 1427

```

ccactagtta tttttatgta atcaattacg gggtcattag ttcatatccc atatatggag 60
ttccgcgtta cataacttac ggtaaatggc cgccaccgcg gtggagctcc agcttttggt 120
ccctttagtg agggttaatt gcgc 144

```

<210> 1428

<211> 214

<212> DNA

<213> Homo sapiens

<400> 1428

```

ccactagtta ttattatgta atcaattacg gggtcattag ttcatagccc atatatggag 60
ttccgcgtta cataacttac ggtaaatggc ccgcctggct gaccgcccaa cgacccccgc 120
ccattgacgt caataatgac gtatgttccc atagtaacgc cgccaccgcg gtggagctcc 180
agcttttggt ccctttagtg agggttaatt gcgc 214

```

<210> 1429

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 16

<223> n = A,T,C or G

<400> 1429

```

ccactagtcc antttingtgg aattctgaag ccttaattgc ttatatccat gtttctagtg 60
aaatgagagg gtataacaaa aaagagaaca ggaggaaagc ttcgctgtgc ctgaggaaat 120
aatctagtca aggcagcaag tctggatagt gctatagaga tgagatacct gagcagttcc 180
agaggaagag gtggagatca gaggccagtt ttcagtgaac actgtaaaga aaagccagat 240
gatgtgtcct gga                                     253

```

```

<210> 1430
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<400> 1430
aaattttact agtggttactt aatgtatatt ctaaaaagag aatgcagtaa ctaatgcctt 60
aaatgtttga tctctgtttg tcattacttt ttcaaaatta tttttttctg taaagtataa 120
tatataaaaac ttcttgctta aattgaattt ctatattagt ggttaattgc agttttattaa 180
agggatcatt atcagtaatt tcatagcaac tgttctagtg ttttgtgttt tt          232

```

```

<210> 1431
<211> 734
<212> DNA
<213> Homo sapiens

```

```

<400> 1431
cattatacaa cactatattg ccaggtcaaa gagggcaggg acgtaaatgt aactaaaaat 60
gcmaatgtat cccaaagaga taaaacaaat tccatttaca gcatgaagggt ttacaaatgt 120
acacctgtac aaccaaggaa agcatcacta ctaaattagc aaggctttta taataaacat 180
tgaaasaaga tttcctttca aagtgtaaac ttacatctat tactacacac acaatgcata 240
tatttataga aagcaaaaag agctatctga atatgtaatc atgcttaaat gctgagctat 300
caaattcact tttcagtggtc cccttttcat ctctatctgg ttcctacttt ctgcctctat 360
gaaaaagcaa aataaagctc aacacttcct caacatgtct gtaattctat aagcaaaaca 420
aaatacaaat ttccactctt tctcattgca aaccaaactg aaaagttaat aagtgactta 480
acttttcatt tagtgcactt aattggaagt gtcacatga ttttgtattt aactcttaca 540
acaattacat atgtaagtat atacaatatt tctgtacatt gccagagaca ttttagggca 600
gtaattgtat taaaaccaca tctactgtaa ataatgttag gttcttttca tctcaaacca 660
ctttattctt gcctacttac tcgttatttg catgatagtt tgtgaattat caaaatacaa 720
cttaactctt taaa                                     734

```

```

<210> 1432
<211> 542
<212> DNA
<213> Homo sapiens

```

```

<400> 1432
tttaagaaag agccttttgag aaacatgcat acttttctct tttctcttat attcaatact 60
catatagcct aaaagatgga aactggttca agaatttaaa tgacttggtc cctaaaaaag 120
taatctcttc accttttgta aatatatcaa gtgctttcta taaataaggg caggaaatgc 180
taacttcata agcatagtcc tagtcattaa aataatttga tcatcttcta aaatttaagt 240
atgatagtaa cacagtaata tggaaaatct caataactt aacacttcct aaacagcaca 300
atgaaatggt gttcaagggtc tgaattaatt tgctacagga cctaagcaag tctgtttgct 360
tatcttttgg ctttaaaatt ctttaagtct aaaatggtga taattttaga ataaactgac 420
aatgtgggga acaaacttaa attcacaac actaccata tgctcaaaaa ctctctggga 480
taattagttt cttcattgta actattgatg tactattatt tcatctttcc attagctcta 540
ct                                     542

```

<210> 1433
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 1433
 ttaaattgat tcaaaaaaac ttgacacctg tcatgtaggc cacaaaatag tagcgaacta 60
 tactaagtgg tatagcccac tgtggagtgt ggtcttttac tcttccaaat agcccaagtt 120
 ggcaaagggtt acttaaaaaac ctgcccccca aaaagctaac ttttggtaga ttttt 175

<210> 1434
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 1434
 ttaatcacta ttgatggaag cttatatcc ttatgaatat atacatgtat gcatatatac 60
 atctctgtat gaatcactca aagcaatttt 90

<210> 1435
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 1435
 tttaccttgg tgctttgaag gttctaccat ttakaaagta aaaagccaac ccacagaatg 60
 gaagaaaaga ggacagactc taacaagcgt tcacaaagat ggagagaaaat tgtaaccctc 120
 atatattgct ggtagaattg tagaaagatg cag 153

<210> 1436
 <211> 483
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 36
 <223> n = A,T,C or G

<400> 1436
 ttttttagttt aaagaagagt tttgccactt aracanggga gctwtgtctg gaaaatacac 60
 tgagttgaaa cacttcatcc ttggaaggat tatataagat gaacagytgt gataaatgtg 120
 tagattagag ggatgtgaat gggcagttag tccagtgcc tcatttaaga ggccaagatc 180
 ctgattcaga ggagcatcc tttgccaga gctgcttagc taatctgacc aaatgttggg 240
 aaaaatgtct cacctaacc actattcctt aattatggat tttgtgaaaa acaatagaac 300
 atgttaatga gtaatttata ttagttcgat gtattacaat ttttagctt taaattacag 360
 ytttcttata atgttgaaat gttttagaat cctttgaatc taagtatttg tttcctaaat 420
 gaaacatttg tacaacattt gatgttttta cttatgaaat attctcctcc cccaagaaaa 480
 ttt 483

<210> 1437
 <211> 171
 <212> DNA
 <213> Homo sapiens

```

<400> 1437
ttttgccacc tcaagaagcc attttcttgt ctgttttcctt ctttacctac ccctacaacc 60
tatgaacaaa taccataact taaaaattta ggtagtctac aactcctaca aattttaagt 120
tcagagacta cccaaagaac tgtggaagat gcagcaatat aaaagttttt t 171

```

<210> 1438

<211> 408

<212> DNA

<213> Homo sapiens

```

<400> 1438
tctgagtgga ggtaggctaa caacacattt tgactttstc ctcaaaggat agctttgaaa 60
aacaagtgta accaattggt acaccaaatt aaaatggcaa tattaaatcg gtaacaaaac 120
gatccacatt ttatacaata ttgtatttcc aaacatacat aggtcatgaa aatcagagaa 180
cctaatatag caccgttgaa accattcatt atccttcatg tgtgtatgca attcagaatt 240
tcggcagaag acaacaaatg gaaaatgcct ttcgtttcta taaatcattt tggatttcaa 300
ttaaatcttt gccttagtaa aggggtattct tatctcaaga tcaattagcc gtttttagct 360
ccaccgtttt ggaagtaaaa atgatgagct acatctactt ttttaattt 408

```

<210> 1439

<211> 168

<212> DNA

<213> Homo sapiens

```

<400> 1439
ttacacaaca gctataaacc tgaacacata tgctatcatc atgccataag actaaaacaa 60
ttatatattag cgacaagtag aaaggattaa atagtcaaat acaagaatga aaaacgcagt 120
acatagtgtc gcgaactcaa atcggcattt agatagatcc agtggttt 168

```

<210> 1440

<211> 307

<212> DNA

<213> Homo sapiens

```

<400> 1440
tttcacatac gaagaaatca actgtgatta tgaagtgaca gccagctaaa tatgtcttgt 60
attttctctc ttctttttt tgccctaactc atcctttact tccattcctg cttccatggt 120
aatgcaggct caaataaatt actaggatac aagattactt caagcctctt ttctgtggaa 180
ctcataatat gataagcatt tgttacaaga ttgcctgtag ttgttttaggg gacaaattat 240
attagggaaa gaaagtcttt ctttagttgg ttaaattttc tattataatt gggactataa 300
tttattt 307

```

<210> 1441

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 600

<223> n = A,T,C or G

<400> 1441

```

ttaagttctg gagtggtcac ttctgagcct gaattccctc ccctgcaaaa tgggggaata 60
ccctcctcag aggggtccctg cgagggtgag gggagattca gcatggcagg tgtgctgggc 120
acggcagggc ctgggaaggc cagatccctt ccccatccct gccacaaaca acccaaacct 180
ttaaaggaga gcaatggcct tgtgtcaaaa acaaaaacaa aacaaaaccc tgtcctagga 240
gactggggcc ctaatttcta atagcaagcc tttatgagtc cctaactc tactgggctg 300
agtatctcac acgccagagg ataacctgcc ttctgctcac caccaccccg tagtagttgt 360
cattgtgtcc atttcacaga tgaggcaaag gctcagaaga gtcattgtgt aaaccagctt 420
ctagagccca tgcaggagct gcagggtgga gaatcacctc taggtgctct tcccatagaa 480
tcctcacctc ctgagtgta ctcactcagc ttccaatggg tgtgtgacct ttgaccagct 540
ttcttcctct ctgggcctca gtttcccacc tggacaaagt aagagggtct ttggcttcan 600
gtaagttctt cctaaacttc tttttccttt tcatttgagc atcctcttca tttttgccac 660
ctctctgtca tttacaggct tttt                                     684

```

<210> 1442

<211> 166

<212> DNA

<213> Homo sapiens

<400> 1442

```

aaaaaatcag cccctaattt ctccatgttt acacttcaat ctgcaggctt cttaaagtga 60
cagtatccct taacctgcca ccagtgtcca cctccgggcc cccgtcttgt aaaaagggga 120
ggagaattag ccaaacactg taagctttta agaagaacaa agtttt                                     166

```

<210> 1443

<211> 194

<212> DNA

<213> Homo sapiens

<400> 1443

```

tttgccctgt caaaagaaga gctaaagaca gttatataaa aattaagggtg ggctttcaga 60
ctggctaaca caacaacatt ccatgagtag atggtaattt atttttgttt atccatttcg 120
ttgggagcaa ggacaaaaat gtaaactctac accttgctta tcaaaattgc cgaaaaaaga 180
atgctctgcc tttt                                     194

```

<210> 1444

<211> 96

<212> DNA

<213> Homo sapiens

<400> 1444

```

gagagtcgag agtgggagaa gagcggagcg tgtgagcagt actgcggcct cctctcctct 60
cctaacctcg ctctcgcggc ctacctttac ccgccc                                     96

```

<210> 1445

<211> 365

<212> DNA

<213> Homo sapiens

<400> 1445

```

gggatgagct gaccaagaac caggctcagc tgacctgcct ggtcaaaggc ttctatccca 60
gcgacatcgc cgtggagtg gaggagcaatg ggcagccgga gaacaactac aagaccacgc 120
ctcccgtgct ggactccgac ggctccttct tcctctacag caagctcacc gtggacagga 180
gcagggtgga gcaggggaac gtcttctcat gctccgtgat gcatgagggt ctgcacaacc 240
actacacgca gaagagcctc tcctgtctc cggtgaaatg agtgcgacgg ccggcaagcc 300

```

```

cccgtcccc gggctctcgc ggtcgcacga ggatgcttgg cacgtacccc gtgtacatac 360
ttccc                                           365

```

<210> 1446

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1446

```

tctggaaagt tcttgctcgg gtcccttcac ctccccgccc tttcttarag tgcagttctt 60
agccctctag aaacgagttg gtgtctttcg tctcagtagc cccaccccca ataagctgta 120
gacattggtt tacagtgaaa ctatgctatt ctcagccctt tgaaactctg cttctcctcc 180
agggcccgat tcccaaacc catggcttcc ctcacactgt cttttctacc attttcatta 240
tagaatgctt ccaatctttt gtgaattttt tattataaaa aatctatttg tatctatcct 300
aaccagttcg gggatatatt aagatatatt tgtacataag agagaaagag agagaaaaat 360
ttatagaagt tttgtacaaa tggttt                                           386

```

<210> 1447

<211> 261

<212> DNA

<213> Homo sapiens

<400> 1447

```

aaaattataa ctactcattc tttcttttagc cttagttaat ttgagcagaa gccacaacaa 60
gcaaacacaa ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc 120
cacactacta ccatttacag ttgtagggtt gtaatgtata attatgtaat gcagaaacta 180
gctttgactt gtgtaacgat gcactgtcaa agtaagcaaa gtaagaattg aaattccaca 240
ttcccagaat ttaacactca g                                           261

```

<210> 1448

<211> 404

<212> DNA

<213> Homo sapiens

<400> 1448

```

aaaaaaagga aaaagtttta ttacgaaact agtttgata aaacaggggtt atacatatatt 60
ttgtaagttt gtaataaaac agtaagaaaa aaaaggcagt aatagaaatc tccaaaaggc 120
aacctatcaa aaccaactgg ctgccacttt gagtttggac agtagctgca taaactttgt 180
tcttcttgaa cagtatttaa taacatcatt aatacatata caacatttct ataaagtaag 240
acacattggt gctgaagtac aactgggtggc ctcttgatct cacctatgag gagagttctt 300
tacaaaacca catagggaaa attgcagttg taagggtgaac tacacatcta aaatatgcag 360
aggtaatagc attacatgtt aaagtatcaa gatatacaca tttt                                           404

```

<210> 1449

<211> 230

<212> DNA

<213> Homo sapiens

<400> 1449

```

aaaagttcta gtggtacggt aggagctttg caggaagttt gcaaaagtct ttaccaataa 60
tatttagagc tagtctccaa gcgacgaaaa aaatgtttta atatttgcaa gcaacttttg 120
tacagtattt atcgagataa acatggcaat caaaatgtcc attgtttata agctgagaat 180
ttgccaatat ttttcaagga gargcttctt gctgaatttt gattctgcag           230

```


<210> 1450
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 1450
 aaaaactcct tttggtttac ctggggatcc aattgatgta tatgtttata tactgggttc 60
 ttgttttata tacctggctt ttactttatt aatatgagtt actgaagggtg atggagggtat 120
 ttgaaaattt tacttccata ggacatactg catgtaagcc aagtcattgga gaatctgctg 180
 catagctcta tttt 194

<210> 1451
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 1451
 aaagatgaca aatactgggtt aattagcaat ttaagaccag agccaaatta tcccaagagc 60
 atacattctt ttgggttttcc taacttttgtg aaaaaaattg atgcag 106

<210> 1452
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 1452
 ctgcagatcc tgcggaacgt caccaccac gtttccgtga ccaagcagct cccaacctca 60
 gaagccgtgg tgtctgctgt gagcgaggcg gggcgctctg gaataacaga ggcgcaagca 120
 cgtgccatcg tgaacagcgc cttgaagctg tattcccaag ataagaccgg gatggtggac 180
 tttgctctgg aatctggtgg tggcagcatc ttgagtactc gctgttctga aacttacgaa 240
 accaaaacgg cgctgatgag tctgtttggg atcccgtgtg ggtacttctc gcagtccccg 300
 cgctgggtca tccagcctga catttaccac ggttaactgct gggcattta 349

<210> 1453
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 1453
 aaaaataatg tgcaagagca tcatgagaaa gaagaggggt gaagagataa tccagaggaa 60
 catcaaatgt aagagtatac actcaaagac aggtttaaga aagaccagtc agagaagtaa 120
 agaaaaaat caagcaagaa taatgttgca aaaattaaca agaaagttgc aagcccagag 180
 tggtttagca tgccaaacta ccatgagtaa gccacataaa acaagaactt tgggttcaac 240
 tgctttaaca atcagacctt tagattcaca taacaggagt tacaaaatta agagcctctt 300
 tt 302

<210> 1454
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 1454
 caagcgtaaa ccgcgggagc cgagcccagc taggaatgca gacctcctga aaaccaagcc 60
 gaggactgcg ggggtccgtg tccacgcaga gtgtcagctt cctctggtgc aaccagcaag 120

```

tcttccagta tgaatcccac agaaaccaag gctgtaaaaa cagaacctga gaagaagtca 180
cagtcaacca agccaaaaaag cctacccaag caggcatcag atacaggaag taacgatgct 240
cacaataaaa aagcagtttc cagatcag                                     268

```

<210> 1455

<211> 207

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 29

<223> n = A,T,C or G

<400> 1455

```

ctgtcgagag cagccctgcc caagawtgnc ggggtgggggc tggtgccaac gggttcccaa 60
ggscctttcm actttkgaak ggctggartt cttgggaaac cmaaacsctg actacctgsc 120
ttttttcttg ggcatygacs tgcttcattt ccaaratga tggkgcaggt gaccttttcc 180
atcgtgagct aaaaaaagg taggagg                                     207

```

<210> 1456

<211> 181

<212> DNA

<213> Homo sapiens

<400> 1456

```

aaatctctgt ctgctaaaat ctatcaaata cattaaggaa aagtcccaact tggcacatct 60
cccacaccag atgttaatta ttcatactgc atgactgagg attttggagg cagagagaga 120
ttcatctgca atatttgga caccaatgga ggtctacgtc aacacagaat ttatacagca 180
g                                     181

```

<210> 1457

<211> 309

<212> DNA

<213> Homo sapiens

<400> 1457

```

aaaaagwtca gagttgaaat gcctttcaac cattkccttc tgtggtcatt tttcttgctg 60
cctttttcac ccaagattca gcagtcagat gtttactgca cacctattac ctattatttg 120
ctgttcttgc atggttcaaa ccaccattct gtagccaccc atcctttgcc ttatctaaca 180
aacatttttc caggaagggt gaaaaggaag tggtgtcttc attgtgtgac tcagtgtgct 240
tgtccatccc atggaaacat gggcacaatc aagtatttgt ccagcctatt gcaggctttt 300
cctgacttt                                     309

```

<210> 1458

<211> 117

<212> DNA

<213> Homo sapiens

<400> 1458

```

aaagactatt gagaaatagg aaggtattga gagattattg ggtttcatca kagcagactt 60
aagtagcctg gttgatttta gatttgtcac agcaaatca tgcttggatg ctcgagg      117

```

<210> 1459

<211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 371, 379, 428, 469, 498, 506
 <223> n = A,T,C or G

<400> 1459
 aaagaatgca taccagaaca ttataagca gtggagtgag kthtattaag aatagtacta 60
 ctacaataaa cgctggctaa ataagaagtg cattatgtga agcactatgg gtggtatatg 120
 cttwgmcaaca tactctkggt accttgaggy agatmacrca tgkgaaccaa cttcggcata 180
 cattttcagt tgctgcgagg aatcatgtgt tttaacgaaa tgcgtcagta tgaaaaactt 240
 gaaaatattc atgaatgawg aacgcmntag gaaaaaaata kstattctca tgcaattatg 300
 tacagtctca ctgtgtarat ctcaaggcaa ggtttgcctc ctgtaaacca gatcaagggtg 360
 ctatgagaga ncgccytgnc ttattgcatt tcttttctcc tmctgcgcca gcattatatt 420
 gctctagnct ttatttttgt gtgcacactg acatgccatt aaaratgang ractatctca 480
 catgtagaaa argaaagnmc ttggankcta cctcagggtcg ctaccacgct aaggggyaat 540
 tctgcaggat atccatcaca ctggcggcgc gattg 575

<210> 1460
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 1460
 ctgggggttc cttccttcac gttgagaacc tggagcagag agtctaccaa cttaagaaat 60
 attagaaaaga gttcagcaaa cagagtgagc tgaagtctaa tcctagaagt aaatccattc 120
 ctacaagtca tcagcatcac ttgggagctt gttagaaagg caaattcttg gttcagccta 180
 acacctaacta aatcagaaac tctgggggag gagcgcagca atctgtactt tcacaagccc 240
 tgcagggtgat tctgagcctg taaaatttga gaaccagagc tgtccccag gagataaatt 300
 aacttctact tttttttgag ctactgcatt ttgggatctt attgttttat cagcttaaca 360
 tgcacactga tatgattact caggatgtt tcaaccaatg ttggttaatg tattatcccc 420
 aggaacttat tactagagga gcag 444

<210> 1461
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 1461
 ctgcaaccct gggactgacc gggaggctct gattatttac ccmaccacag gtaggttgtg 60
 ttctgaatct cagggttcaca ggttaagggt cagcatcctc atcctccacg gggttggagt 120
 tggtgctggt gatgaagggt ttgggtggct ctgcatagac tgtgatcgtc gtgactgtgg 180
 tcctattgag gccactggct gagttatttg cctggcaggat atagagtccg ctgttcttct 240
 cagtgatgtt ggagataaag agctcttggt tgtgttgctg gatgttccca tcaatcagcc 300
 aagaatactg tgcagggtggg ttagaggctg catggcagga gaggctgagg ttcaccctg 360
 gacggtaata ggtgtatgag ggggaaatgg tgggkcrctc ygggccatag aggacattca 420
 ggatgactgr gtcgctgtgs tyarcactta atkcgttctg gattccacac tcatagggtc 480
 ctacatcatt ccttgtgaca ytgartagag tgagggtcct gttgtcattg gacagm 536

<210> 1462
 <211> 409

<212> DNA
<213> Homo sapiens

<400> 1462
ctgakagacc aggagaagtt ccagatgcag agactgtgat gctcttgact atggaattat 60
tgcggccagt agccaagtta gagacaaaac aggcataagg cccgttatta tttggcgtga 120
ttttggcgat aaagagaact tgtgtgtgtt gctgcggtat cccattgata cgccaagaat 180
actgcgggga tgggttagag gccgagtggc aggagaggtt gaggttcgct cccgaaaggt 240
aagacgagtc tgggggggaa atgatggggg tgtccggccc atagaggaca tccaggggtga 300
ctgggtcact gcggtttgca ctactgagt tctggattcc acatacatag gctcttgctg 360
catttcttgt gacattgaat agagtgaggg tctgttgcc attggacag 409

<210> 1463
<211> 502
<212> DNA
<213> Homo sapiens

<400> 1463
ccttcagcct ggatccttta tattaagatc aatgaggacc atttctggaa gatgtctggc 60
atggtacaga ctgtctgagg ccractgaac acaggccctt accctgattt tatcagtga 120
aagctatggg actagtittcc ttacctctaa aatggagaga ataatagaat cttccgtcta 180
agactkctgt gagcataagc cgagaaaatg gaggtaaact gcttagccca atacttggat 240
tatcgtaaat attcagtaaa actagccacc gttgttattg taattattat tttgtatttt 300
attatacatt tcatggaaac ttaaaagtta gtgataatca cctcattttc agttgccttg 360
ctttcttctt gtaaaatttta ttctctctta tcttgctcac tgtctttaag cattgccagt 420
ttagtataat tattttcccc tctctctat aaaatcatat acaggatgga tttgttgatc 480
tcagacatgt tctactgagtt tt 502

<210> 1464
<211> 294
<212> DNA
<213> Homo sapiens

<400> 1464
ggcggctcgg actgagcagg actttcctta tcccagttga ttgtgcagaa tacactgcct 60
gtcgttgtc ttctattcac catggcttct tctgatatcc aggtgaaaga actggagaag 120
cgtgcctcag gccaggcttt tgagctgatt ctacgccctc ggtcaaaaaga atctgttcca 180
gaattcccc tttccctctc aaagaagaag gatctttccc tggaggaaat tcagaagaaa 240
ttagaagctg cagaagaaag acgcaagtcc catgaagctg aggtcttgaa gcag 294

<210> 1465
<211> 249
<212> DNA
<213> Homo sapiens

<400> 1465
gtgcaggtct tcagccgtga cccggtaccc cagctctaag ggaggtggca gcatcaaagg 60
ctccccctgc ctgctgtgga gcaggggaat cttgcgtcta cggggcctag agtcatggga 120
tctgggggag ccacccctgg gggcaagtgt ctgccctggg gctgtacctg ccttgttttc 180
acagcgggtga cccgaagaga cagcctgagg tccgtcctca ctactgtgt ttgaggaact 240
gtgggccag 249

<210> 1466
<211> 203

<212> DNA
 <213> Homo sapiens

<400> 1466
 cctcagacac cttttaattg cttaggagaa accattgtct ctgactgcag gtttgaataa 60
 gttgaagacc agagaaaagt acacactggg ctacaaagga atttgagat agccaaggaa 120
 caggatttcc cctagcaagc taccttctgt tcaaatcatg aaaaagact atttcccctt 180
 agaataggga agcttgctat ttt 203

<210> 1467
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 1467
 ctgtcagaac aggaacgacc tgggttatgg aagcccagaa agggaggagg acttcttttg 60
 gtcccagtga aagatgcttc cagaatctgt agccttactt atttgcttgg atctcactgg 120
 aataacttgg tggtagggtc accggttctg gggtagcac tgggtttgct gcatagatgt 180
 ttgatagat gacactcaca ttgcttgatt gacagcagac caa 223

<210> 1468
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 1468
 ctgcattatg tgtgtttaga acgagaagtt gtttgtacag tatttttcta ttgaccgctt 60
 ccgtcttgcc tgaaacctgg gcattctttc caatagacag aaaatcagag agtcaaactc 120
 gatgcgcaat gagttgttct gagaccagta atccacggtg ctgcaatttg gggtttt 177

<210> 1469
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 1469
 ctgaagctga gaagtagcct atctatggar gagacttttg tttgtgttta attagggcta 60
 tgagagattt caggtgagaa gttaaacctg agacagagag caagtaagct gtccctttta 120
 actgtttttc tttggtcttt agtcacccag ttgcacactg gcattttctt gctgcaagct 180
 ttttt 185

<210> 1470
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 1470
 ctgaccagga gggacggttc tgtggacgag gacttcgtag ctgaggagcc agattttctt 60
 ttggtccctt cctcctggaa tggaaatcgt gcgctactgt ggagatctga gttgatgtag 120
 caccctgttc ctcggatgta gtccgcaccc cggaccagat gccgctcggc cgtgggtctg 180
 gagaaccggt atgggggaga ggagctctct tcaatgatcg gaggaatccg ctcgttactg 240
 aaataccggc aaagggcatc ctcccttttc ctgccatgac ctcgaggtct ggcaaaaagg 300
 tccacaatcc ccatccagtt cccatcagca ggcattggaca aaggccgtgg cttgccttca 360
 gagggacgag aaagaaggtg acaagtttga tgagttctgg aacttttagt aaccgttccc 420

tttatgtata acttagacct cacaatacca caccactta gacagaagca ataacaaatt 480
 tt 482

<210> 1471

<211> 257

<212> DNA

<213> Homo sapiens

<400> 1471

tgtgtgaact tagactkwtc aattcaacat ttttaacrta tkaaatacta ttgtgaattc 60
 aatgaagtgt tcttatgcca ctaacttta cctattccct tactcamgga tgtaggyaaa 120
 rgatggtaac aatacactat tkggcaagat aatgtmctga catmtytagc aatstttttt 180
 gmcagtggct tkcaactgma mwkaaskkam mkaatattgy tkctgtwsgt arattattat 240
 tctgwywya atcattt 257

<210> 1472

<211> 342

<212> DNA

<213> Homo sapiens

<400> 1472

cttttgcgag cctctgccgc agcagctccg ttttcacgcg catctcgttt ttgtgtgtgt 60
 gtttttgttt tgtttttgtt tttgtttttt tgtttcagag aattggaagc taaagctacc 120
 aaagacgtag aaagaaatct tagcaggtaa gatgggcgag ctttccgtct cccgccccac 180
 gataatcgta tttttctact ccgattcgcc ctttctgggt tgagaagtgc ccccggtgaca 240
 ttttcttccg caccgagaga gcagacattc gggagaagcg gcctggggga atactggagg 300
 gattgcgggg agatgcgtaa ttacgcgtgt gtttctttct tt 342

<210> 1473

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 435, 442, 454, 462, 476, 524

<223> n = A,T,C or G

<400> 1473

ctgctacatg tcttcacagc ccaggaattc aaggcccagg tggcagcagg aagaaacagt 60
 ggaaaagcaa ggggaagaga aaagagaaaa aggaggggga aagtctgcat aactgtcata 120
 acctctgctt ctctgctct gtaacaaacc cacaaccagg aagagtcag gtctggaaca 180
 atcatgggac cccaaacgcc tgtaggtttt ttaccaccaa acatcaccca tggctgctct 240
 aagctgtcat tttgttccca cagttaccta gcatcacgga tgcccaattt atggcccagg 300
 aaggctgacc caggctaagg gcagtctcac tccacagcca tgcaatggac agtctgaatg 360
 tttcctaccc cagaccttta ctgacctcta ctatttctc ctctgatata aaagaaaaac 420
 acttttaatt ttctnctgca tnctacatct cctnctaaaa antttggcct aattgncatc 480
 aaaaccttgt aggaatctga aattttgggt cttctgaatc ttancc 526

<210> 1474

<211> 187

<212> DNA

<213> Homo sapiens

<400> 1474
aaacttgttt gctgtgaaca attgtcgaaa agagtcttcc aattaatgct ttttatatct 60
aggctacctg ttggtagat tcaaggcccc gagctgttac cattcacaat aaaagcttaa 120
acacattgtc caaaaaaaaa aaaaaaaaaa gccccykccc sgggggscck ttmaaggggr 180
aawtccc 187

<210> 1475

<211> 474

<212> DNA

<213> Homo sapiens

<400> 1475
ccattctctt tatctcaaac cgaagaaaaga tatgatgcag gcagtagttt tttcttagtg 60
cctcatagta tctaataagca gaaagtgagc cgcatagcgg agcacattag tttttatgta 120
tctacaggac agaagggcca cttagctgat ggctccagggt ttcctttgat ataactaat 180
gttcctatga cctcaaagac tgaacacatt tccctaagtgt cttcacttag caccagagg 240
caacttgag tcttcgcaga ataaaatcca ttattttaat gtagattaat acatgggtac 300
ttatatctat gcaggtctat aatagtttat tcttatgtaa gctttattaa aagcattggt 360
atgttttaca taaaaagtta atgtgaatat tagaaaaaaa ggacaatatt aaagcagttt 420
gtagaatttg ttccccccc aaaatgaatg aaatacacaa tagatgtaca aaaa 474

<210> 1476

<211> 401

<212> DNA

<213> Homo sapiens

<400> 1476
ccttgaggac agggcaggag gacgcacacc tcatggacag ggcgccagg gctgagatac 60
cagcggggtg ggtattcccc gcgggtgctt acctccaaca gtgtcttgct agcaaaggcc 120
atgatgccct caaagatgat gacgtttgca ccatacagt ttttctgtga agaaacccag 180
gagttgcgga gctggctca tgtgctgca gcccccgag gccccctctg cagggccctg 240
gcctaccag tcttcttcc ggtgtgctg ggtgaagtca taaatgggca ccttgacact 300
cttccctgc ttcagcttct tgaggggtga aatgatgaag gtcgaagtca aaaggcatct 360
ggggtgggtc gaaagtttga aagtttgctt gtggtgccgg g 401

<210> 1477

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 59, 75, 152, 194, 200, 203, 205, 674, 682, 709, 737, 746

<223> n = A,T,C or G

<400> 1477
cagcatgctt aaaaagttgg aggaattgga acagaaatac acctwmcaac ctkrmcctnt 60
taccaaaaac aaacnagtgg tatkggamcc sacctttmrk ctttttcmac macttatttc 120
aaagytsrnt kgtggkgaaa agmcacycyk snatscywcc rcacccttgw aggcygttgg 180
acttrataac akkntgctn atnwnrtgta ggggtgatay tgatgrtgaa attgcactta 240
gctgggttat aattkgaaag tcaaagtctt atttgataaa gatgtgaatg agagaaatac 300
agtaaaagga ttttaggaagt tcaacatttt gggcacgcac acaaaagtga tgaacatgga 360
ggagtccacc aatggcagtc tggcggctga atttcggcac ctgcaattga aagaacagaa 420
aaatgctggc accagaacga atgagggctc tctcatcggt actgaagagc ttcactccct 480

```

tagttttgaa acccaattgt gccagcctgg tttggtaatt gacctcgaga cgacctctct 540
gcccgttggt gtgatctcca acgtcagcca gctcccgagc gggtgggcct ccctcctttg 600
gtacaacatg ctgggtggccg gaaccagga acctgtcctt cttcctgact ccccttgtg 660
cacgatgggc tcanttttc anaagtgtt gagttggcag tttttcttnt tgtcacccaa 720
aagaaggtct caatgngggg acccanaacc ttt 753

```

<210> 1478

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 399

<223> n = A,T,C or G

<400> 1478

```

aaacctatac tcactttccc aaattgaatc actgctcaca ctgctgatga tttagagtgc 60
tgtccggtgg agatcccacc cgaacgtctt atctaatacat gaaactccct agttccttca 120
tgtaacttcc ctgaaaaatc taagtgtttc ataaatttga gagtctgtga cccacttacc 180
ttgcatctca caggtagaca gtatataact aacaacacaaa gactacatat tgtcactgac 240
acacacgtta taatcattta tcatatatat acatacatgc atacactctc aaagcaaata 300
atthtttact tcaaaacagt attgacttgt ataccttgta atttgaaata ttttctttgt 360
taaaatagaa tggatatcaat aaatagacca ttaaccaana aaaaaaaaga aaaaaaaaaa 420
a 421

```

<210> 1479

<211> 214

<212> DNA

<213> Homo sapiens

<400> 1479

```

ggaaatatat aataaaaatg ttaaccagaa ggtaaaacttg agtgtaattg tcagacagac 60
acacttttcc accagtgtat ttgaatttta gaccagtgc cctgttttgt ggcattcatg 120
caaaacatgc tgagggcttt gttcatctgg tcatcgtgtc caaatttcag tcatgtttgt 180
agcaagatth tgggaagcatt catatttctt tttt 214

```

<210> 1480

<211> 434

<212> DNA

<213> Homo sapiens

<400> 1480

```

ggaggccgct tacgtaaagc ccaggggaca ttcaacagcc cctactaccc aggccactac 60
ccaccaacaa ttgactgcac atggaacatt gaggtgccca acaaccagca tgtgaagggtg 120
cgcttcaaat tcttctacct gctggagccc ggcgtgcctg cgggcacctg cccaaggac 180
tacgtggaga tcaatgggga gaaatactgc ggagagaggt ccagttcgt cgtcaccagc 240
aacagcaaca agatcacagt tcgcttcac tcagatcagt cctacaccga caccggcttc 300
ttagctgaat acctctccta cgactccagt gacccatgcc cggggcagtt cacgtgccgc 360
acggggcggt gtatccggaa ggagctgcgc tgtgatggct gggccgactg caccgaccac 420
agcgatgagc tcaa 434

```

<210> 1481

<211> 131

<212> DNA
<213> Homo sapiens

<400> 1481
aaaatcccca taaatctttt ctgtcctgag gtagttgcaa aataaatcat aacttggata 60
tcaactagag ctgaggcttt gactttttac tcattaaaac tagttgttac aggaactacc 120
tttagatatt t 131

<210> 1482
<211> 324
<212> DNA
<213> Homo sapiens

<400> 1482
tgctcgctcc tcagaggctg aaaacatgag aagctaggtg tggtgaaacc aaagcagctt 60
tattgttcaa atgctaaaga cgggaggatg gactggctca agccttaaag aaaccatctc 120
gactttttga actcagtga cgggtttaag gaaaacgtgg gaaatatgca aagggtggtgc 180
aggagggtgc aggtctgtgt gtcttattcc catggatatc ttgagtaatc gcttgtccag 240
aggtgggggt tgtgtcatcc tgaattcaac ccagcaatgg taggggtactg ttcataactc 300
accctaagcc agaagattcc tcag 324

<210> 1483
<211> 393
<212> DNA
<213> Homo sapiens

<400> 1483
atgtttaatg aatgatacag gatacatccc tgttggaagc ttgcaaaaaga cacatacact 60
gtggtacata tttgatttaa tagaagttgt ttatcaggct atatatatat ttgcccaaac 120
atgcaccaca ggataaaata actatttaca taacataggg tatttaattg acatagacta 180
tcagctttgc tgagagcaga agatggcaaa gcaatactgc agcagaaagt ggaacaacta 240
ttctaaagca atactttaga tatatttttc tagaatggat ttatttagatt actttttgga 300
aagcatttga cctaaattaa atatagagct ctgaaactta gaataaaatt tgcacttgct 360
gaaacagaat actttgcata aaaataatcc ttt 393

<210> 1484
<211> 323
<212> DNA
<213> Homo sapiens

<400> 1484
tttagatcag aaagtttgag gtcttcatca gcagacactc gtgcttctat ttttcttggt 60
ttatcgaaca gttctgaaac tttgagaaaa aacttgcata tatctgtaga atcctgagtt 120
cctaaagcat ataatgaaga accaattcta ttgtaatcat ctgcagcact tttgtgggat 180
cttgtcattc tatcagattt agcagatgca tccttaactc gggtatgata ttccaaaaga 240
aatgttcggt cgtgctcaaa gaaatcatct acatccttta ctctgaaac gattactcca 300
tctgctgatt taaccatggt ttt 323

<210> 1485
<211> 405
<212> DNA
<213> Homo sapiens

<400> 1485

```

aggagcgtca ggaaaacacg ggcagcctgg gctctgacct gagccactcc aactccacgg 60
ccacgcagga agaagacgag gaggaggagg agagttttgg gaccctctct gacaaatact 120
cctcccggag actattccgc aaatccgcag cccagttcca taacctgcgg tttggggaac 180
ggagagatga gcaaatggaa ccggagccca aattatggcg aggccggaga aacaccccgt 240
actggtactt cttgcagtgc aaacacctga tcaaggaagg gaagctgggt gaagccctgg 300
acctgtttga gaggcagatg ctgaaggagg agcgattgca gcccattggag agcaactaca 360
cgggtgctgat tgggggctgc gggcggggtt gctacctgaa gaagg 405

```

<210> 1486

<211> 230

<212> DNA

<213> Homo sapiens

<400> 1486

```

aaaaatatgt ggattgtgct tgacgtagca aatttcttct atctgcaaaa gcccttttct 60
cactacctca tatacacccc tttgatatgg caccatgttt gaaattggag cgtacacaca 120
tagtcattgg atttactggg atttcttttg tgacaagtag gagccaaggg gtcattgcagg 180
gaagcgaacg tgcccgataa ggatttcctt gttgccagag tgttttagcag 230

```

<210> 1487

<211> 273

<212> DNA

<213> Homo sapiens

<400> 1487

```

tttccactct gcacattgta gagggaacac tctgtaggcc catgggtccc ttactagaga 60
ggttgagtga atttgccttc agttaacatg ggaccttctg ttttagcttcc tcttgcttcc 120
caaagatttt aagcattttg taaatgtata aactcacctc tggttaacagt ggcccagacg 180
ctgctttgtg ctaaaagcat gggaaatgta aaggcagtct ttctctggga aatggatgct 240
attctattct gctgccccta cctgttctct agg 273

```

<210> 1488

<211> 452

<212> DNA

<213> Homo sapiens

<400> 1488

```

cctactgtgc cccgtaggca aagctctgaa gatttcatcg aaaaatctgc tgtcaatacg 60
tagaaaagtt cactatttca gtttcacagc aaaaaagtg gggggagggg ggaacccaat 120
agatatTTaa gtagatgctt tccaatccca ttcactgcat taattagctt acctcttata 180
cagtacaaca taaacattgc atgtttattt gtatgtaaca cctataagca tatagcatct 240
acattttaag tgtatttaca aattcaacaa aatatctaca tataaaaagc ttactttaaa 300
attaaacttg atgcaagtta tgagaaacca atttattggc aaatgaaact gagcattcct 360
tcaaccatag gttgttatag attttcatat ttggaggtaa cccatttgat agatattggt 420
tatgaatacg atagaatata tatttacttt tt 452

```

<210> 1489

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 556, 562, 568, 573, 589, 592, 632, 637, 645

<223> n = A,T,C or G

<400> 1489

```
cctgctcttc tcttcaaagc acttagtaca cagggktaca ggtgctacca cttggattcc 60
ccagagcatg gaagtctgat cccagggttg acatatttct tctgaaaatg agcatcttgg 120
ttctatagat tcttatcttg ctcacaggac ttgctccaaa actgaatttt cagaagcagc 180
atgataggga aagagatatt caactctgac agacaaggta gatcgaagca cccacactaa 240
tttctttcag gtgccccatg aggaagactg catcatgtca cttccactca cttggggaga 300
ttctaggact gagacacaaa gttccccccag agtttctgct aatggaaggg gaaacagggtg 360
gtttggaatg gaaagggtgga accagggtcca caaaatgtgc tccctctgct caagactgac 420
tttggtcttc ccagggtcccc acttgacttt catataagct gagatgacct attacgggaa 480
aaattaggga acaccttaata aaaccaactt tcaaaaaactc ctatttatca tggatgtgccc 540
acgatcgaga gaatcnaaca cnaactgnct gtnagagagg ccttcattnt gnctcatctt 600
gagctaaaat cctgrcttgg gatgccagaa ancatgnccc tcttntcggg ttg 653
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<210> 1490

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 347

<223> n = A,T,C or G

<400> 1490

```
taacctgaca aaataaaaact tagtaaaaatc takaactggt tcttggccta cttgagagga 60
acttccatat ttccacagcc atctccgaaa gcagcagttg ctgtaaaatta actgagactt 120
ggaaatggtg cagactgtct tggtagagct gttcttatag cacaatttta tctggaaaat 180
aaacttgtaa atgcgtgctg tatattaata catgtgtgcc catatttatt tttattatct 240
cctgccagtc tttgctcaat gggagatgac agaccaactt ctcaacgtga tttccccatt 300
tcattgaatg agatttatat gccacttatg aaaaaaaata ctgctgngaa agaaatgtac 360
ttt 363
```

<210> 1491

<211> 163

<212> DNA

<213> Homo sapiens

<400> 1491

```
taatcagccc ctaatttctc catgtttaca cttcaatctg caggcttctt aaagtgcagc 60
tatcccttaa cctgccacca gtgtccaccc tccggccccc gtcttgtaaa aaggggagga 120
gaattagcca aacactgtaa gcttttaaga aaaacaaagt ttt 163
```

<210> 1492

<211> 184

<212> DNA

<213> Homo sapiens

<400> 1492

```
yattccccag gggaaaaaatt gaaagtcaaa ctattcacca agagaatgca ttgtctttgc 60
aaatgagcct aagaatcaga ctttttataa atacatgttc aagtttcttg tggttctaaa 120
tggacactga gaactgaaac tgtctacacc aagtttataa tctatattaa ctatcattwt 180
acag 184
```

<210> 1493
 <211> 273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39
 <223> n = A,T,C or G

<400> 1493
 aggtaawttg tgatatttag tgcacattta cgtgtaggnc crtcttkaat ggtaaagaca 60
 gatacaagcc tatggcacac ttctccaaag caagctatac ttgagagcca attcccaaat 120
 aagacagcag agatctgatt aaatgcaact gtgcaaacat tcaacagaca tgttgaatgt 180
 aagacaaatt atgattactg ataatatgca aatgtgggtct ataaatttat gaatgtgact 240
 tccaagggga atatggtatg gaagcccatt ttt 273

<210> 1494
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 1494
 ttggaaagcc tatcactttc tctcttcatt ctccagcccc cacaccaagc acacagagct 60
 tttcagtgtc ttactcttaa tggagaacat aaccagggat tatcagggtat tccaacatga 120
 aaaagaaagt ccaatagaaa caagcaggat aatcaaacca ggaggaagca gagactatat 180
 agagaaagaa aaaaagacac atgggaataa cggcaataat actgacaata cacctcacca 240
 taaactttatc agaatgaatt tgttggagaa atatatggag gggaggtact tgtgtgtgtg 300
 cacaggcact catgtacacg tgtgtatgtg tatgtttttt taa 343

<210> 1495
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 1495
 tagcattctt ccagccactc tggcgctcact atgtgcttca cgacagaaat cgccgtcagg 60
 aacttcacgg tgcgagtcac tttgctggca atgaggtgtg tgcacttctg tgcagactcc 120
 gcaacctctc caccaagaat gtagagcttc ttaataact gttgaacctg gacaggctcg 180
 aatccagtga aaagcacaaa aggggtcaat tctggagtta gctttttagt gggaggtggg 240
 acgtcttcaa ttctgggtct tttggaagaa ggctggacat tagctacttc attctgtttc 300
 agtttgggag gtagtcttat actcatcaac aactctgcag acacttttaa gggaactctc 360
 caagcatcta aaagattt 378

<210> 1496
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 1496
 tggagaagga agtttttctg aagagccaga atccttgcta agtcatttag atccaactga 60
 ccatctttat ttctgtcaaa aatcttcac atgggtgccag tgtattcttc cagtttagcc 120
 tcagaaatgg cctttttgtg gtgaagaaag aggtctcgga ggaagttgcg gagctcagca 180

g

181

<210> 1497

<211> 373

<212> DNA

<213> Homo sapiens

<400> 1497

tggaagctga	tccaccttga	gatcaagccg	gccatccgga	accagatcat	ccgcgagctg	60
caggtcctgc	acgaatgcaa	ctcgccgtac	atcgtgggct	tctacggggc	cttctacagt	120
gacggggaga	tcagcatttg	catggaacac	atggacggcg	gctccctgga	ccaggtgctg	180
aaagaggcca	agaggattcc	cgaggagatc	ctggggaaaag	tcagcatcgc	ggttctcccg	240
ggcttggcgt	acctccgaga	gaagcaccag	atcatgcacc	gagatgtgaa	gccctccaac	300
atcctcgtga	actctagagg	ggagatcaag	ctgtgtgact	tcggggtgag	cggccagctc	360
atcgactcca	tgg					373

<210> 1498

<211> 337

<212> DNA

<213> Homo sapiens

<400> 1498

gctctttagt	tgcttttctt	ttaagggaga	tgtagtaaaa	gggaaaatgt	agctcttagt	60
ttacacttca	aagatgtggg	ggcttttcag	agaactaaga	ataacagttt	tatgtgcaga	120
gagagtttgc	cagatctgaa	gcatatacct	cattgactag	gctgttactt	tgggtagagg	180
tgcagtacca	gccacagcca	gcagatagag	gaaaagacac	acataaaactc	gcttctgagc	240
gtccacttct	gcactctctg	ctctgctggt	actcagcccc	tgagtctgac	tcattctctgc	300
acaacctctc	tgtgccatga	agataagtct	tccatgg			337

<210> 1499

<211> 314

<212> DNA

<213> Homo sapiens

<400> 1499

catgcggagg	gacttttagca	tggctgataa	ggtccttcct	accattccaa	aagaacagag	60
gaccagagtt	gcacactttt	tggaaaggca	gggcttcaag	cagcaagctc	ttacagtatc	120
cacagatcct	gagcatcggt	ttgagcttgc	tcttcagctt	ggagagttaa	aaattgcata	180
ccagtttagca	gtggaagcag	agtcagaaca	gaagtggaaa	caacttgctg	aacttgccat	240
tagtaaatgt	cagtttggcc	tagcccagga	gtgcctgcat	catgcacagg	attatggggg	300
cctgctgctt	ttgg					314

<210> 1500

<211> 321

<212> DNA

<213> Homo sapiens

<400> 1500

cctgaaacct	ggtgggaaga	tgattgaaag	tgtttttagat	tcaacagatt	gactatgtat	60
gacttatcta	ttaaaatgaa	gaacttccat	ggtttaatat	aatgaatgct	gtattcaaca	120
aggctctcca	tccttcttat	aaatcttaag	actgtgttta	agctttcttt	cacttttact	180
ctatcccttg	gaagttaatt	gggaataaaa	agatttatca	atttagtcac	tataatttaa	240
ggccaggcat	ctgcttggaa	atacaataac	cacaattaat	acttagagaa	aattgtttca	300
acagattaac	tctgctattt	t				321

<210> 1501
 <211> 557
 <212> DNA
 <213> Homo sapiens

<400> 1501
 ctgctctggg gaaaaatgggtg gaggagccag gcagagagga ggagcagagt gctggcagtg 60
 gaaagcctag ctgagactgg agatgcccc ctgccc aaag catctcagcg aggatgcttc 120
 tccatattgg tgagccagcc tagagacaga acaggggaag ccagcgggtg ctgcagcgac 180
 ccaccgcccc agaacatctg catcttacat caacaaagggt ttattttctca ttaatatcca 240
 ttgtgggttg gctgccactc taaccctcgt tgcctctcca tctgggtctt ggggtggcaga 300
 gcagcctgtc tctgtggcag aggaaaagag agcactgggc agcacaggct gactctcaaa 360
 ttttcgcct gaagtgacc caagtcactg ctcacatttc attgactaaa gcaaaatcct 420
 atgcctgtgg gtgagttgag caacgtgatg aggtgttaac ttcctacagg gaggggctca 480
 aatattgccc aacagtggta tggcccactg cctgggggtg tcggtggaag gctggcagga 540
 caaggagac cacgtgg 557

<210> 1502
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 1502
 cctgcgggga ggcgcgctgc aagaacctgc ccggctccta ctctgcctc tgtgacgagg 60
 gctttgcgta cagctcccag gagaaggctt gccgagatgt ggacgagtgt ctgcagggcc 120
 gctgtgagca ggtctgcgtg aactccccag ggagctacac ctgccactgt gacgggcgtg 180
 ggggcctcaa gctgtcccag gacatggaca cctgtgagga catcttgccg tgcgtgccct 240
 tcagcgtgg 249

<210> 1503
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 1503
 ccaggacctc ttttgggcat ttcttctctaa gtggaataca caacagataa gggagtaggg 60
 gaggttaatac agggaagcta ctctttccag ctcagaagga gttgatgaag cccatatatg 120
 cattcaagaa gcccatggga tcctctagct gtggatagtg gctaattgtg tcatccagaa 180
 tcgacactgt ggaccgcggc agcggttttc tgtacagctc caaaaactct ggatagggat 240
 ttacaggatc caatggccca tagataaaat gaatggggat agttacagag gcaagagctc 300
 cc 302

<210> 1504
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 1504
 ccacgatatc aactatattg ctttgtcagg tgttctctca aaaattggca gaagtgggtga 60
 gaatccgtat gccccgctga atctcctggc tgactttgct ggtgggtggc ttatgtgtgc 120
 actgggcatt ataatggctc tttttgaccg cacacgcact ggcaagggtc aggtcattga 180
 tgcaaatatg gtggaaggaa cagcatatct aagttctttt ctgtggaaaa ctcagaaatt 240
 gagtctgtgg gaagcacctc gaggacagaa catgttgat ggtggagcac ctttctatac 300

gacttacagg acagcagatg ggggaattcat ggctgttgga gcaatagaac cccagttcta 360
 cgagctgctg atcaaaggac ttggactaaa gtctgatgaa cttcccaatc agatgagcat 420
 ggatgattgg 430

<210> 1505

<211> 164

<212> DNA

<213> Homo sapiens

<400> 1505

ccagtcacct tcaccttcta actaactagc ctccggatga ggtgggtgcc accaggcccc 60
 aatgatcccc aggagcccag cttccaaaacc ccaacatcga atcaaacatc tccatcccca 120
 agtgacgtaa cacacaaaaa ccaaactc tgccctggga aagg 164

<210> 1506

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1506

aaaagtcata agggttttat tttgtatcat caaaatattc tataagggtcc caaatactct 60
 ttttcaaccc atgaacagta agaatttgtg aattctgata atgaaaaaag ttttcctcca 120
 ggtatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag 180
 gaacaccag 189

<210> 1507

<211> 268

<212> DNA

<213> Homo sapiens

<400> 1507

ctgcacagag gggcacggaa ctccaaatcc tggaatgcgg gtcaataatg tgaattcttg 60
 ccctgaccgc cagacacaca gcaagcctga gtcacttgcc gtcaccatgt cagccacaca 120
 atcctgtccc tgggcaggct cgggtggcaat gtctgtgatt ggcacttggt gccagccag 180
 tcctcgcctc agtacaatgt tgggaccctt tgctgggatg tcaaacacca gcacccggcc 240
 tgaccacggt cccacacaga tgaagtgg 268

<210> 1508

<211> 159

<212> DNA

<213> Homo sapiens

<400> 1508

aaagatggca aggcaataaa tgtgttcgta agtgccaacc gactaattca tcaaaccaac 60
 ttaatacttc agaccttcaa aactgtggcc tgaaagttgt atatgttaag agatgtactt 120
 ctcagtggca gtattgaact gcctttatct gtaaatttt 159

<210> 1509

<211> 234

<212> DNA

<213> Homo sapiens

<400> 1509

ccattgtgga gtacattatg aacacaatgt gcttgykaag tcttctctct cattttcaga 60

```

cagcaattgt taagagtcac acacacgtcc cagacctaag cagcaactcc agtgaatggt 120
actcagacac actcacggga cagcacagaa cttgattctt ctttgtctgt tgcccaaaga 180
acctgttctt tgagtctgtt ccagggtgact tgtaatgata cctcttacgg tttt      234

```

```

<210> 1510
<211> 437
<212> DNA
<213> Homo sapiens

```

```

<400> 1510
aaagcagtac atcttaatat gaagacagga atttctatga tgcttacgaa cattagactc 60
aacatttttg cagccccctt tcctgggtcta cattcacaca aacatgagac acagtcccaa 120
gggagaaaca gatgctggag gagcatttag ggccagagtg gaggcacaga ggaagctggg 180
atthttcaac taccocctcc ttggttactc ctgggattcc cttaggattt cacggcacia 240
ccagcgaaga gtttgctcag attcacttcg gagtagccac ttcgggacaa gaattgctct 300
gctgtgttct tgagttttct gtagtcctgc agaactttgg gggtaaaaaa ttgcttcttc 360
aatttatctt tctcatgatc ggtagtaagt ttctccagtg cactctcgc atcaaaaatg 420
taccggtaaa agcacag

```

```

<210> 1511
<211> 94
<212> DNA
<213> Homo sapiens

```

```

<400> 1511
tgtgaagatg gagtctgagg ggggtgcaga tgactctgct gaggaggggg acctactgga 60
tgatgatgat aatgaagatc ggggggatga ccag

```

```

<210> 1512
<211> 493
<212> DNA
<213> Homo sapiens

```

```

<400> 1512
aaaaatatgc attacaactg gagttttcca ctgagaataa gagtttggtt ttgacctcmc 60
ataaatccaa ggttcttga aaaaaagtt aatataaatt ctcaataact atatcattaa 120
taccttatgt atacatagga gtttatataa tgcatttaag taacaaagaa tgtaacattt 180
attagccacc aagtaattag gagatagcat caattatatt gaaagaagat gagtttagat 240
gcttatagtc aaggaggatg attgaaattg aaagctattg taggtggtta ctactattat 300
tatcaaacct gaaagttgga acatgtgaac ttgatccttt gcacacataa aagttcacaa 360
agctgctttt aatttgcctt tgttctgtag tactgcttgg tgaatcatgc actagtttgt 420
tgtaaaattc atgtaaactt ttatgtatac aaatgtcaga tcaagcacag gttttattaa 480
ttatatatat ttt

```

```

<210> 1513
<211> 510
<212> DNA
<213> Homo sapiens

```

```

<400> 1513
aaatgaggat tattgatagt actcttggtt ttataccat tcagatcact gaatttataa 60
agtacccatc tagtacttga aaaagtaaag tgttctgcca gatcttaggt atagaggacc 120
ctaacacagt atatcccaag tgcactttct aatgtttctg ggtcctgaag aattaagata 180
caaattaatt ttactccata aacagactgt taattatagg agccttaatt tttttttcat 240

```



```

agagatttgt ctaattgcat ctcaaaatta ttctgccctc ctttaatttg gaaggtttgt 300
gttttctctg gaatgggaca tgtcttccat gtatcttttg aactggcaat tgtctattta 360
tcttttattt ttttaagtca gtatggtcta acactggcat gttcagagcc acattatttc 420
tagtccaaaa ttacaagtaa tcaagggtca ttatgggtta ggcattaatg tttctatctg 480
attttgtgca aaagcttcaa attaaaacag                               510

```

```

<210> 1514
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 472
<223> n = A,T,C or G

```

```

<400> 1514
ctggagatca ggaatagaac ctttccaaga tatcataata ttttctttat aggaacactg 60
agtaatggca agaataatttt gagcttttcc atgggttaaga gcgatagtct cagaggctgg 120
agaaaatggt cattctgctc agtgatccag gagtgtgagg acagtagctt cctttccacg 180
tccacaagac aatgacagat gtgtttcctt ctttgccctt tctagggatc tttctagggg 240
tgttgattct ctcacaatat ttcaatgtcc catttctgtg tttcttctcc ctccaggggc 300
tgatttacga ttacatgagt cttgtcacia taatttctct ctttaacatc aaggacaagt 360
tgatcactga gataagagct gatagttcca tttttattca gtctccactt ctgcctgaat 420
tgcccatggt cagtccatag agctacttta gctccagggt tgggtcccggc cncatcaca 480
tcaagaactg gtttccactg gccttgggatt a                               511

```

```

<210> 1515
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<400> 1515
aaaggggaag gkgaractta aaagtattcc caactagatt atctacacca atacattgga 60
actctatatt ttgctttcat tttgtcttaa aaaaatgaaa tagcaacgct ctatcagtca 120
cacagaggac atgcarattt agcagtattg atattatact ctatcttggt ggattt      176

```

```

<210> 1516
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<400> 1516
ctggggaaaa ccgtgcatta cctgcccac cgtttcatcg accagctcag caaccgcgtg 60
aaggacctga tggtcataaa ccgctccacc accgagctgc ccctcaccgt gtcctacgac 120
aaggtctcac tggggcggct gcgcttctgg atccacatgc aggacaccgt gtactccctg 180
cagcagttcg ggttttcaga gaaagatgct gatgagggtg aaggatttt tgtagatacc 240
aacttatact tcctggcgct gaccttcttt gtcgcagcgt tccatcttct ctttgatttc 300
ctggccttt                               309

```

```

<210> 1517
<211> 182
<212> DNA
<213> Homo sapiens

```

```

<400> 1517
ccaacatcta attttttttac tttttaatta tagctgttgt gactgatgtg agatggcacc 60
ttactgtggt ttttgcttgc atttatztat ttgatgatta gtaaggatga gtgttttttc 120
atatacttga gtgtcttctt ttgagaaaat atctgttcat gtcctttgcc ttttcttgat 180
tt 182

```

```

<210> 1518
<211> 548
<212> DNA
<213> Homo sapiens

```

```

<400> 1518
cctgagggag agggaaaagc ggatacccac ctgtgtcgtc gtttgcgctg caagtccagg 60
aacagtcctat acagccctgc tgcacccac gacgctgtca caaagcagga gttcatccga 120
ggccaagggtg ttgtcatgag aatattcgtt aaagtaggga cgctgacttt gttcttgggc 180
agattctctt cctgtggagt atccagcctg tttgcctagt tttcctgttc ttctgggggc 240
tgatctctat ctgttttact gcagtcacgt taccaaagtgt gtataagtaa aattgaaaga 300
attctaaata ccttttcccc ccacgttagc tgcctcacgt taatgtgggc ttacgggtctg 360
caaataagtg ttttgatgat ttggcgactg cagttaccca tactagctct cctaccactc 420
actactgaca gttaattatt atcgaatatc caccaccca gggtgagtta taagttatac 480
caggtgtttt ggtaataaat actaatgcaa ttaatttact ggttactctc tcactttaaa 540
gtaatcag 548

```

```

<210> 1519
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<400> 1519
ctggtgaagg acggcttcct ggtggaagtg tcagagagct cccggaagct gcggcacgctc 60
ttcctcttta cagatgtcct actgtgtgcc aagctgaaga agacctctgc agggaagcac 120
cagcagtatg actgtaagtg gtacatcccc ctggccgacc tgggtgtttcc atcccccgag 180
gaatctgagg ccagcccca ggtgcacccc ttcccagacc atgagctgga ggacatgaag 240
atgaagatct ctgccctcaa gagtgaatc cagaaggaga aagccaacaa aggccagagc 300
cgggccatcg agcgctgaa gaagaagatg tttgagaatg agttcctgct gctgctcaac 360
tccccacaa tcccgttcag gateccacaat cggaatggaa agagttacct gttcctactt 420
gtcctcggac tacgagaggt cagagtggga gagaagcaat ttcagaaact acagaagaaa 480
ggatcttcag g 491

```

```

<210> 1520
<211> 169
<212> DNA
<213> Homo sapiens

```

```

<400> 1520
ctggtactgt cgatttgaa agctggctgg aaaaaactta ttcataagga ggctgatggt 60
gtgggacagg gccaggattc ccagcacgaa gaaatacatg gacagcagga ggttgatgta 120
ctcctgggag aatattttga aaaagaggta gagccccaag agtgtgcag 169

```

```

<210> 1521
<211> 293
<212> DNA
<213> Homo sapiens

```

<400> 1521
aggacgacgc tgtcrgargc agggagagca aattaccaca gcttcttggc ccagttctgc 60
ccttctttgc tttgggattg cactgggcca tcagctcatg ccaggctatg ggggcagcca 120
gttggcattg ctccccagac tgaacagaaa cctggccgcc ggatgggacc tcctttggca 180
cagacttgac tgtgtaactg cataaactgc agtagcatca ttgccctaga tgccccagga 240
gacctggcac catgaggatt acagacagtg gaatcttact gtcactctgga cag 293

<210> 1522

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1522
ccacgtggga ctttgaagac agcacaacac agtccttccg ctggcatccg ctccggggcca 60
aggcggagaa atacgaagac agcgttcctc agagtaatgg agagctcaca gtccggggcta 120
agctggttct ccttctacgg cccagaaaaac tccaagaggc tcaagaaggg acagatcagc 180
catcacttca tggtaactt tggtttgtag tgctaggagc caagaattta cctgtgcggc 240
cagatggcac cttgaactca tttgttaagg gctgtctcac tctgccagac caacaaaaaac 300
tgagactgaa gtcgccagtc ctgagggaagc aggcttgccc ccagtggaaa cactcatttg 360
tcttcagtgg cgtaacccca gctcag 386

<210> 1523

<211> 178

<212> DNA

<213> Homo sapiens

<400> 1523
aaaaagccta tcccatactg aattgtggga acctatgaag tgtctcttaa tgtcaattaa 60
aagtaacagt ggctgcagat attgatttct gaaagtacat gagaatttgt ctctaactat 120
ggttgaaaca acaaaaccaa atctgaatca ggtagaggtc taccagacac aaactctg 178

<210> 1524

<211> 319

<212> DNA

<213> Homo sapiens

<400> 1524
wycacagcwg aaatggggga ctgaagtgtg gagscacaka atgcggggagg gcagaaccac 60
agacaggagg ctgagattga cctcctgagt gcaagctggc ctccccttca cctcctgcac 120
cctacgcaga tgggtgcttac cataggattg ccgtaaaaca gagacacgca ccagcgagaa 180
actttagccc ttagtatccc atcctcagga cagaatcact cttaaactg ttgaaatata 240
tctgcttaga gcttttctat gtgtctatat aatgtatgca taatatacaa ttagaagcat 300
gtgattttat aacattttt 319

<210> 1525

<211> 467

<212> DNA

<213> Homo sapiens

<400> 1525
ccagactaga cagagatcag gtcactcagg gagcttccga gcttcagcaa agcccacagg 60
tagctctgcg aactcagaat gctaccctac ctcccttgca ggccgctgtt catgtctgga 120
ctcctggggg cgctatttaa tgtttacccc catctccagt gcccctcca aggctgtgca 180

```

gtgtcttggg gctctcaggg ccaacatcga agagatgggg gccacctctt aacacctggc 240
aacagtctcc cctcatcctg attcctgaca acagacaaaa caccggtttc tagggtttat 300
ctgtttgttt tttgagttga gggttcctca gggccttggc attgctagt atgggtcccct 360
ttgctgtgtg agaaccacct caacccttc ctccctccctc tggggatgaa gtgggagtat 420
ttggctcccc atttttgaca aaagggtca gtgcaggagg gtggagg 467

```

<210> 1526

<211> 439

<212> DNA

<213> Homo sapiens

<400> 1526

```

aaactgttta ctggagaaaa tcctcgctca tgtccattta ttgttttttt ctgtactgtg 60
atttgtttca agcttaggaa aactagtata ttagagtatg ttctaggaaa ttaaaagatc 120
tggtagagt aaaaagttct ttttaagggt cttaactaat tttttcacia ctaagaaaat 180
aatgaagta ttcttaggct gaaattcatc ttattttatc ataaattaga ttgtaggggc 240
agcctacatt ttgtgtatg tgtttttatt tcttaaatga ttgtgtgagc ctgggtgacat 300
tttatggttc ttgtgatcta aactgttttt ccaattcaca tcttttgctg tgaagtgata 360
ttatactaga gtactgtttg cattgtaaaa atgctttgct ggtgctctgg cattttgtct 420
ttatctcatc acctaatat 439

```

<210> 1527

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 582

<223> n = A,T,C or G

<400> 1527

```

ctggagaact tgggctccat taggtgcaat cgttggagta attagcccat cttttacatt 60
tcttgccaca aaatctcgaa gagctgccat ttcaggttcg gacagtgaat acacatgtcc 120
actgggaata ctgtgtgctc caggtatcat ttctatgtga ggggtcaacca ggcggtgatc 180
tgggtagacg tgctcatcta ctggagtgtg cacattctgg acatagtaat acctactgg 240
ttggtaaaact ctgtatccat ctactggata atagagtggc ggttgtggtg ctgggtggtg 300
gagcgatggt ggtattggag aatacatccg gcagtggtag cggcagtatt cagaatcaaa 360
gacgatagat cgagtgtccc atgtgatatt gggatcatgt gtgctcagcc agcgaacccc 420
taggacgaca gggaagaatg gagactgagt cacatcaaat gacagcacct ctcggtgatc 480
tcccagggtca actatcagggt cgtgagtttc gtggacaact gggcccgatg ctatggggcg 540
cccatcaatt gcttccacaa gtattggacc cgcccgggag gncgctcgca agggccgaaa 600
ttccagcac 609

```

<210> 1528

<211> 393

<212> DNA

<213> Homo sapiens

<400> 1528

```

tgatgtaatg aattcatatt tattgatata gaaaaatatg atataatcca tctaaaaagc 60
aagttacaaa acagtgtaca gtgtaccata gtacctatga acacaattag tgaagtaatt 120
tgcagagcta taataccaaa tcagaaatta ttttggtaat gaatttatga ttttcctcgt 180
tttctgattt ttccatgat ctcatatact ttattctcag aaaacaaaag acaaaacccc 240

```

```

acacatacac aaaaataaac gagtaacttc tttacaaccc cagaggctaa gtcagtggga 300
aaagagggaa atgaatgggt atgagcataa acacagggac aaataaaaga agtttggagc 360
acagagaaca attcacaaat cagaagtcac ttt                                     393

```

```

<210> 1529
<211> 143
<212> DNA
<213> Homo sapiens

```

```

<400> 1529
atccgataga atccagttca atgaccttca gtctttactc tgtgcaactc ttcagaatgt 60
tcttcggaaa gtgcaacatc aagatgcttt gcagatctct gatgtgggta tggcctccct 120
gttaaggatg ttccaaagca cag                                     143

```

```

<210> 1530
<211> 636
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 330, 504, 583, 591, 625
<223> n = A,T,C or G

```

```

<400> 1530
gtggagaagc ggcttggtcg ggggtggtct cgtgggggtcc tgcctgttta gtcgctttca 60
gggttcttga gccccttcac gaccgtcacc atggaagtgt caccattgca gcctgtaaat 120
gaaaatatgc aagtcaacaa aataaaagaa aatgaagatg ctaagaaaag actgtctgtt 180
gaaagaatct atcaaaagaa aacacaattg gaacatattt tgctccgccc agacacctac 240
attggttctg tggaattagt gaccagcaa atgtgggttt acgatgaaga tgttggcatt 300
aactataggg aagtcacttt tgttcttggg ttgtacaaaa tctttgatga gattctagtt 360
aatgctgcgg acaacaaaca aagggaccca aaaatgtctt gtattagagt ccaattgatc 420
cggaaaacaa ttttaattagt atatggaata atggaaaagg tattcctgtt gttgaacaca 480
aagctgaaaa gatgtatgtc ccmnctctca tatttggaca gtccttaact tctagtaact 540
atgatgatga tgaaaagaaa gggacaggtg gtcasaaatg ctnttgagcc naattgtgta 600
acatattcag tacccaattt actgngggaa acagcc                                     636

```

```

<210> 1531
<211> 194
<212> DNA
<213> Homo sapiens

```

```

<400> 1531
aaaaggcaga gcattctttt ttcggcaatt ttgataagca aggtgtagat ttacattttt 60
gtccttgctc ccaacgaaat ggataaacaa aaataactta ccatctactc atggaatgtt 120
gttgtgttag ccagtctgaa ggcccacctt aatttttata taactgtctt tagctcttct 180
tttgacaggg cagg                                     194

```

```

<210> 1532
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1532

```

```

ccatacaagg taattttgac aggttcctgg gattaggaca tgggcatctt gggaggccac 60
tactggccta ccacaactgg gcagcaaac tattacaccc tccggtataa tagttttggt 120
gtttcaatga ctggggaggaa aagggttgga attttttgct ttgggggtccc tcttaacctt 180
gtatttttaa ggtctgggac tcaccaaccc tccccttcca accagagaaa ctactgcag 240
tatctccttg aaagtctggt gacgagtctg tctaagtgtt ggtgagaggc acaggaccaa 300

```

<210> 1533

<211> 521

<212> DNA

<213> Homo sapiens

<400> 1533

```

gttcctttgc accctgtaga tgttctagga tagttgatgc atgttactaa attacgtatg 60
caagtctgtg agtgcgctcg aggggacatc gccaggact gactgagaca cgatgccgag 120
acctcaagcc ctgaggggca gtcccaaac ccttacagtg aagatgttta ctcatggccc 180
ccacctctgg tccacactag aaagaagctc gcccacctc cacctgtgag atccgtgaat 240
tctcggaatg gcaggggaag ccttgacta ggttgacag aagcatcctc cacatcctgt 300
gtcagaaaac ctggtctccg tggcacttgt aactcaccgt gctgtcttct ggtctgtgtg 360
tggtcttcaa gccagctcta ggcttcaggc cgagccaggt tcacactcag aaagatgtct 420
ccccatcccc attcggggct gacgatgggg ggctgatggc tgcccctgcg tggcctgagt 480
cctggtccct ctgaggcagt tgacggggca gtcagatttt t 521

```

<210> 1534

<211> 181

<212> DNA

<213> Homo sapiens

<400> 1534

```

actcaagaag atgtatttaa tgcttgacaa taagagaaa gaagtagttc acaaaataat 60
agagttgctg aatgtcactg aacttaccca gaatgccctg attaatgatg aactagtgga 120
gtggaagcgg agacagcaga gcgcctgtat tggggggccg cccaatgctt gcttggatca 180
g 181

```

<210> 1535

<211> 544

<212> DNA

<213> Homo sapiens

<400> 1535

```

aaaataggac actaaatcct actctgaaag gtggtttgat caggactaaa gagaatgtat 60
gtagagtgtt ttgtgcaacg aattgtgggg agcttgacc caataaggta gccagaatta 120
cccacaccat catcatcttc accaccatca ttattgttat cgacatattc caatacactt 180
ctgaagggct ggaagagaga aatatgtttg tgcagacagg cggcagcagt atttgatcca 240
ccaccacagc tccaccgctt gggggcagta ctgatccacc tgtgctcccc tcctgcccc 300
agcctggaaa gctaatttca gactcaaaaa aatcaagtac agagcagcgc accactcca 360
atgagtcate cccgcccact ctagacaaca gcatgctcat gactcaaact atcttcgtga 420
atggttcaaa atatcaagaa ttggtttcca tagtttcttg actaaccaga cacaaaattt 480
cccctacatg cagagattca tgtctcaact tcaactgtac attaaactca accgggaaac 540
tttt 544

```

<210> 1536

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1536

```
ctgagttaag atggttaaagc caatattatt ttaggaggaa agaggacgaa ggccaatgaa 60
ccaacatctg cctgctatct ggtgcatcac ccaaggtgac caatggctgg gcacaaataa 120
acttctcttt tgcagccac agagttgctc actgtggcaa gcctgagctg gtcagaacac 180
ctgtgtgtgt gttcctgata cacactaacc acaataagca agtctgcaca catctctatg 240
agcccatgc aaagacaaga cattcccaa gatcagtcac tagagtgcac caacgaaatt 300
caagatttga ccaaaacaga ccctgctgcc tccataattg ccaattgcct ctcaaaaact 360
tacagaaaaa gggacattat aagaattcat agagggagag aagaaaaagc tgctactcct 420
agtcattagt acaatgtgct gtgttaatta gatacctcta tataaattag aaaaagtgc 480
ttacttgcac gcttcaataa aatgaatact gagtgcgta gtgttagatc tgtacagata 540
taaatTTTTT gcagctatat aaaagtgtat aagatgggct tttgccattt t 591
```

<210> 1537

<211> 341

<212> DNA

<213> Homo sapiens

<400> 1537

```
acttcggggc tccctctccc tgtgcagacc ggttgaataa atgataaaat tactgtttgt 60
gtcctctgtg aagtctggat taatggaaaa aaggatttgt gaggctagtc ttaggctgta 120
gccaatctgg tgtgcttttt gtgtcttctt gtatgggtcc atgataagga ggaatacctt 180
aggatagaat gcaagcctag gaccccataa gcctgttgtt caagccaacc agcaaactgg 240
gcagtaacaa acattgctgc aggtttccat tttgttttac gtccttgagg gcttgacctt 300
gtaaccacgt ggcagtacct tcttttggcc tctgccattt t 341
```

<210> 1538

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1538

```
ggacctgact ttgagtccat cagagacaaa gtgagtgcga tgcacataca gtgtttccag 60
acctgactca gccatctgt ctgttaggaa actttatgaa gacgcccccc agaattaaac 120
cctaattcaa atgtctcact ctgaatagag accttctgaa ataactttgg tatagagacc 180
cagacacgtg ccttttgcct taaaataaaa atatttagcc catgttggtt tatgtatctg 240
tctttcagtt agttttgaag gcccgcacgg aaaagtgggg cctgtgcacc tgaaaagaaa 300
tgtgtatggt atgtggttgt tggcttttcc tactagagtt atcttgataa ttgtgaagag 360
tgg 363
```

<210> 1539

<211> 371

<212> DNA

<213> Homo sapiens

<400> 1539

```
ctgtgggggt ccttccagag aggagctgag atacgcctac ctggaggggc ccttgggcct 60
ggaggggctc ctcagtgtga ctgggtgaag tgttttcaga ggaccagggt tgagggttggg 120
ggcatctcat ccagaccctg ccggcatctg cccagaacc caagggcccc tcttctctcc 180
ctcctcaatg gaaatgctgg agatgtctc agtcaccctc tgagcactca cacatcacc 240
cttatttggg aatttttctc actctaacct tcttctctgc tgcaccttct gccccatccc 300
caggctctgg cctctctctc tctcttctta cccttagca ggtaatgact cagttcccac 360
tgaggagcca g 371
```

<210> 1540

<211> 403

<212> DNA

<213> Homo sapiens

<400> 1540

```
ctkgacgtga tggagcaggt gagcagtgcc cgtggggcctt gccagagggc tgaggaggac 60
cctctctaac cagctccctg tcccccttct tctgtagctt gagttgaaga agacactgct 120
ggacaggatg gttcacctgc tgagtcgagg ttatgtactt cctggtgtca gttacatccg 180
aaagtgtctg gagaagctgg aactgacat ttcactcatt cgctattttg tcaactgagg 240
cagcaatgca ccgttggttt catgtttcat actgtttaca ctagcactgc cttttttggc 300
ttaatttagt tcattttgta cctaactgag aactgtgctt tctgatgtag tgatgacaat 360
gacagatact cgtttaccaa aaagcacctt ctgcctgcag cag 403
```

<210> 1541

<211> 428

<212> DNA

<213> Homo sapiens

<400> 1541

```
taaaacaaaa cttaaagaaga gaaaatatat tctcgtaaata tatctgaact taaaagatgg 60
aagcctggag atagatttgt gataagccat tgctgagtac atcctagagt tcttgataat 120
ttcagttggt taaattacaa tagtttgcta tttcctccct cacattttat gttctacagt 180
atctagctgc ttgggttttc ctgtatacca tggggcttct gtcactctgg ctttactcag 240
tgccatattc cctctgccta aaactctcct cccctctcca ccttagaagt agcttttccct 300
agaacggttt tcccagggtt tcacctaagg tgatagtaca atctacaggg acctgcacat 360
gaagaccttt gcatacatgc caggaagttg gactttatct ttggaaaaag ggagcctttg 420
aagggtttt 428
```

<210> 1542

<211> 345

<212> DNA

<213> Homo sapiens

<400> 1542

```
awttaaatgc ttagcaagca gcaattccac gatgggtcaaa ttcctaatat gagagaagta 60
gaaataggaa aaataggtca ccctgatact tatgttttca ttttgcttaa tatacgtttg 120
tatatttcaa tataacatta atagatatcg tgtcccttca cagttctaaa gtagtaagca 180
aaatgaatta atttaaccta tgcaattaaa accaatttgg aagaatattg aggtagcaca 240
ctgttacggg aattagtagt actcagtaat gcagttgaaa gttagtggct cctaattccag 300
tatgaatcat ggagatgaga gaaatgatta gataaagaga tattt 345
```

<210> 1543

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1543

```
aatattgaat ttctagaagc agtatattgc ttactgcttc ttaattacgt tatagatgag 60
gtggaaatga taaaaactaa agaagcaaga ttaatcttta acacacattt caggctgttg 120
taaaagaata aacaatgctt catataaact tctagcaaata gacttcctaa tgaggctctg 180
aaacagtctt tagggcacgg aatgtcatca cataattaag cagctttaag cttttattaa 240
aaggcttaaa gtcgcaaaca atgaaatctg aaacaaactg taccatatta aactttttga 300
```


tgatatttca aattcagtaa aagaaaaaaa ggatggttca gaataacatc acgtatttcta 360
atcctgaaac acataacaaa tgcatctgaa acagcaattc ttaaaaaggt tttgcccttt 420

<210> 1544
<211> 306
<212> DNA
<213> Homo sapiens

<400> 1544
ctggcttcac tctactccc tctctgctcg cagcacgtcg gccgccagct ctttgatgtg 60
ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg caaagcgcag 120
gacaaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac tgtttattct 180
ttgcagaaga gcttcattca ctttgttgga acccttttagc cgaaagcaga caagccccag 240
aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact caaactcatg 300
ggacag 306

<210> 1545
<211> 110
<212> DNA
<213> Homo sapiens

<400> 1545
ctgctccggg ccttcattcct gaagatcagc gtgtgcgatg ccgtcctgga ccacaacccc 60
ccaggctgta ccttcacagt cctggtgcac acgagagaag ccgccactcg 110

<210> 1546
<211> 239
<212> DNA
<213> Homo sapiens

<400> 1546
aaagaaatat gacacgggtgt tggatattct aagagacttt tttgaactca gacttaaata 60
ttatggatta agaaaagaat ggctcctagg aatgcttggg gctgaatctg ctaaactgaa 120
taatcaggct cgctttatct tagagaaaat agatggcaaa ataatcattg aaaataagcc 180
taagaaagaa ttaattaaag ttctgattca gaggggatat gattcggatc ctgtgaagg 239

<210> 1547
<211> 527
<212> DNA
<213> Homo sapiens

<400> 1547
aaaaattcca gttgagattt ttctggttct ctgtataaag attgactgga acatatacat 60
tttgggggtt atgtttggag actttggctc ttattcaaac cttccatttt agttggcttc 120
ttctgacagt gcttcagcat ggaagcaagg agggggcctc attactgcca ggtaagggta 180
aaaatctagt ttctctgctg ggtctccatt gtcactaaga aaggaatggc tctgttattg 240
ctgggcaggg ttggctgttc caactgataa tcctatgtct gggagggcta ggagtgcctc 300
cgttctgttc ctttgttgtt ttccactgac agtggagtgg ccttgttact gctgggtggg 360
ggttgagagt tctggctctc tactaggagg gacacaacct cagtgtagag aggcgggggat 420
accttggttac tgtcaggcac aggcggagggt ccagtctcct tactccacct acccaacagg 480
gtagcttgag gcacttcatt attgcctagt gagagtggaa gtttagg 527

<210> 1548

<211> 333
 <212> DNA
 <213> Homo sapiens

<400> 1548
 ctgtgggagg agctagtagg ggcgggggcta cgtgattgac acttctctcc tcagacttca 60
 agggctacca ctggaccctt cccctgtctt gaaccctgag ccggcaccat gcacggacgc 120
 ctgaaggtga agacgtcaga agagcaggcg gaggccaaaa ggctagagcg agagcagaag 180
 ctgaagctat accagtcagc caccagggcc gtattccaga agcgccaggc tggtagagctg 240
 gatgagtcgg tgctggaact gacaagccag attctgggag ccaaccctga ttttgccacc 300
 ctctggaact gccgacgaga ggtgctccag cag 333

<210> 1549
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 1549
 ttgacagtgt acgctggagc aggttccagg gtggggctgc cctgccgcct gcctgctggt 60
 gtggggaccc ggtctttcct cactgccaag tggactcctc ctgggggagg ccctgacctc 120
 ctggtgactg gagacaatgg cgactttacc cttcgactag aggatgtgag ccaggcccgag 180
 gctgggacct acacctgcca tatccatctg caggaacagc agctcaatgc cactgtcaca 240
 ttggcaatca tcacagtgc tcccaaatacc tttgggtcac ctggatccct ggggaagctg 300
 ctttgtgagg tgactccagt atctggacaa gaacgctttg tgtggagctc tctggacacc 360
 ccatcccaga ggagtttctc aggaccttgg ctggaggcac aggaggccca gctcctttcc 420
 cagccttggc aatgccag 438

<210> 1550
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 1550
 aaaactaagt tattccaaca ctaaaagcat acaacagcat gccaacagta atatattatt 60
 ctccaagact ttacctatgt aagtgttcaa aactctgcag cattaaacaa cgtgtatgca 120
 aattgttatg gatacatctc agaatactaa aaatcaggca agtgcttaaa aggccaacgg 180
 tccaagggat tacatctgca gttt 204

<210> 1551
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 1551
 ccactctgtg atttgtctgt gcacctattg gctcttctag ctgactcttc tggttgggct 60
 tagagtctgc ctgtttctgc tagctccgtg tttagtccac ttgggtcatc agctctgcca 120
 agctgagcct gg 132

<210> 1552
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 1552

```

ctgaatagag gtcaacacag ttgcgatggt gagggatggt ctccaagcac cttttggtgg 60
caatttgaga acatccagac aaatccttcc agcagaatca atgtttggat gataaattgg 120
agtgagaaat cggatctgag gaggttcaaa tgggtacctc tcaggaatga taacttctag 180
cttaaaaaaca cttttctcat aaggtgtggt ggctccacct aatatttgag ctgcgaggtc 240
atccatttgg tctttatctt gccaacatgt gatgcctggg ggtggctctg tggctaacat 300
gtgcagctct ctcttcagac gtgaagctct ctgcatgac cccaagtaga aggaaccaca 360
cacagttcac tgctccacac taagagctgs ctgggatgca ctgagctgac acccctcaca 420
acgcagcaac gcg 433

```

<210> 1553

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1553

```

gagcaaggtc tgctgagaac agaccagtc cctgaggaag gagaagatgt tgctgccacg 60
atcagtgccca cagagaccct ctcggaagag gagcaggaag agctaagaag agaacttgca 120
aaggtagaag aagaaatcca gactctgtct caagtgttag cagcaaaaaga gaagcatcta 180
gcagagatca agcggaaact tggaatcaat tctctacagg aactaaaaca gaacattgcc 240
aaaggggtggc aagacgtgac agcaacatct gcttacaaga agacatctga aaccttatcc 300
caggctggac agaag 316

```

<210> 1554

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 517, 532

<223> n = A,T,C or G

<400> 1554

```

aaaggaatta ttctggcagc acatgtagta ttcttggatg atcttgctgc tcttatttct 60
ccttttgtgt gtgtgtgtgt gtgtgtggct atgggttttc atttgtaact ccatctgctt 120
argagagtgg gctctctata agggaacctg ctgtaaaactt cattgcagca aggatgtaga 180
gagaaatagg acttaattcc actaggggct ctcatctcac accttaagga ggagatttct 240
agaaaaactg ggccagattt tctttgytct ccatcatttt aatgtggcag gctgytcagt 300
tttcttactc ttacctatgw gatatttctt cgtaacgtgt ccaaaaaagaa aaaagacca 360
atcagtgtct cttgactttg ttctttgatc cctcagtttc ttcttgattt cagcatgtgt 420
ccgggttcct aattttgggt atgagttagc aaatttaacc attgtgtttg tgccctaccc 480
aggggactcc ccagtttctg acttgaagta gactganaag aatccacgag gngctatttt 540
gg 542

```

<210> 1555

<211> 117

<212> DNA

<213> Homo sapiens

<400> 1555

```

ctgtctgtgg cttcccatgt ctttctccaa agttatccag agggttgtga ttttgtctgc 60
ttagtatctc atcaacaaag aaatattatt tgctaattaa aaagttaatc ttcattgg 117

```

<210> 1556

<211> 111
 <212> DNA
 <213> Homo sapiens

<400> 1556
 ctgctgcagc cgcagtttct catccggagt gtaccccgctc atgtcgccgc tggtagcaac 60
 gcaaaaggac acggcgcacc ctcgaactac ggactagtta ctttagcgcg c 111

<210> 1557
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 1557
 cgaggactga tcctctagta ctaagtgact ggggatatta caytarccaa cattgggtga 60
 tacatacctk artmatcatw tgaggaygca gtgataarsg satawwmywg tatsatccya 120
 acaygyacta rctcaaaaac tagtgggggc ggattgatct cctgtgggac wkacatgsc 180
 ctgaaagtga acatgmtcmt ratcacctgc agrgcttgag atggycmca tkgcwgcaact 240
 ccgccccyac aktttttgaw tcwacwggag ttaggswgmt yctwgawtta kcctttctac 300
 ctgcctccyg akagrwcwc wygastwggg kgaatssatt gackkctaag rttakacttc 360
 cactaactct gtacgmtgar ctcttactaa tattcgttac cacgctaaga ggctctgctc 420
 caggatctca tcgcgactgg aaggaacctc cagc 454

<210> 1558
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 1558
 aaagaagtgc agttgatatc taatttacac agtgaaacta gtgatagaaa ataactaatg 60
 aaaaaaaatc agagactggg ttccaattga ttgacaccta gatctgtcag cctctcttaa 120
 agaaagggga aggagaaaaa aaatctcatc atggaaggca gacaagagtc cacctgacag 180
 aggtggaatc tgatggaatc tgacccatt tcattgataaa cgagaggaaa cataaatgcc 240
 atctcaaata ctaaagcgat gtagtgtagc atgagtgtact caatgcaaat tcacagagga 300
 aaagaagtta cggcttagga agtaggacaa taaatacaaa tatttcatct tatttaaatg 360
 tgcattgact cagtgaact accctttgca atgcaataaa tttt 404

<210> 1559
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 1559
 aaactatcag aagagatgag agggaattga tctacaatac tagaatttta tgtgcagaca 60
 aatccacatc tggaaatgaa atcacagtaa gatattttcg ggagaccaa acataaaaat 120
 tgctagaata aatttgccac gaacgagtaa ctagacatta gaaattgact acatagatat 180
 agtaatacta aaagtgtctga aaacaagcaa acacaacaca cacattctca attctttttt 240
 tttctatcaa atatcttcaa cttttt 266

<210> 1560
 <211> 142
 <212> DNA
 <213> Homo sapiens

```

<400> 1560
aaaactcagt atcttctgaa ccagaggcat ttctgattag cccttccta cctatcttcc 60
tagtatcact ctttaatcag cttggggagg tggcagcatt tcatggcctc cgtagtaact 120
cacaatgctt cctgggggat tt                                     142

```

```

<210> 1561
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<400> 1561
aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg 60
ggaaacaaag tttcaaaaca aagaaaagtt gagtaaaagg tgccccctct atggctcatc 120
tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttcccact 180
cactttgcaa ggaccactc attctgcaga aagacctaca agtcttctg gtctcaattg 240
caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt 300
gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcgg cttcttcctt tttagtaagt 360
atttttatct cagatgtatt t                                     381

```

```

<210> 1562
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<400> 1562
ggagaaagga gaaccgtaca tgagcattca gcctgctgaa gatccagatg attatgatga 60
tggtctttca atgaagcata cagccaccgc ccgtttccag agaaaccacc gcctcatcag 120
tgaaattctt agtgagagtg tgggtgccaga cggttcggtca gttgtcacia cagctagaat 180
gcaggtcctc aaacggcagg tccagtcctt aatggttcat cagcgaaaac tagaagctga 240
acttcttcaa atagagggaac gacaccagga gaagaagagg aaattcctgg aaagcacaga 300
ttcatttaac aatgaactta aaaggttgtg cggtctgaaa gtagaagtgg atatggagaa 360
aattgcag                                     368

```

```

<210> 1563
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 32, 332, 333, 346, 361, 381
<223> n = A,T,C or G

```

```

<400> 1563
accwtrsaac tgcawttatt acctatgcta gntttggata agaamtgkyc wtayatgtga 60
kagcaagagg gcacyaraws wrcttsaaca ccaawgggcm ktactwtata kawmcgawgg 120
gcatgctwtm atgaccaact grmtgactgt ttgagaatgg acaargtgct agcgctaaac 180
ctgtccttct tgaacrtggc ttgactaacg kcwttgatac gtttrccttca kkasaatact 240
attactasac tttgktgctt gattaccgac tgggtgactc ttgmtctcac ctatgargac 300
agtgccttac acaaactcrt akggaaaatt gnntttgtmc tgtganctac tcatcygaga 360
nctccctaag ggctaacatt ncatgtttcc gtctcactag ctacacgttc t                                     411

```

```

<210> 1564
<211> 602

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 597, 598
<223> n = A,T,C or G

<400> 1564
ctagtttttaa gatcagagtt cacttttcttt ggactctgcc tatattttct tacctgaact 60
tttgcaagtt ttcaggtaaa cctcagctca ggactgctat ttagctcctc ttaagaagat 120
taaaagagaa aaaaaaaggc ccttttaaaa atagtataca cttattttta gtgaaaagca 180
gagaatttta tttatagcta attttagcta tctgtaacca agatggatgc aaagaggcta 240
gtgcctcaga gagaactgta cgggggtttgt gactggaaaa agttacgttc ccattctaata 300
taatgccctt tcttatttaa aaacaaaacc aaatgatatc taagtagttc tcagcaataa 360
taataatgac gataatactt cttttccaca tctcattgtc actgacattt aatgggtactg 420
tatattactt aatttattga agattattat ttatgtctta ttaggacact atgggtataa 480
actgtgttta agcctacaat cattgatatt tttttgttat gtcacaatca gtatattttc 540
tttgggggta cctctctgaa tattatgtaa acaatccaaa gaaatgattg tattaannat 600
tt 602

<210> 1565
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 214, 291, 295, 345, 375, 442
<223> n = A,T,C or G

<400> 1565
ctagtccagt gtgggtggaat tcatccaggg ggctaccctt ggctctctgt tgccagtggg 60
catcatcgca gtgggtgtct tcctcttcct ggtggctttt gtgggctgct gcggggcctg 120
caaggagaac tattgtctta tgatcacgtt tgccatcttt ctgtctctta tcatgttggt 180
ggaggtggcc gcagccattg ctggctatgt gtttagagat aaggatgatg cagagttaa 240
taacaacttc cggcagcaga tggagaatta cccgaaaaac aaccacactg nttcnatcct 300
ggacaggatg caggcagatt ttaagtgtct tggggctgct aactncacag attgggagaa 360
aatcccttcc atgtngaaga accgagtcct cgactcctgc tgcattaatg ttactgtggg 420
ctgtgggatt aatttcaacg anaaggcgat ccataaggag ggctgtgtgg aga 473

<210> 1566
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 24, 28
<223> n = A,T,C or G

<400> 1566
ctagttatta atagnaatca attncgngt cattagttca tagcccatat atg 53

<210> 1567
 <211> 136
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 91, 104, 117, 126
 <223> n = A,T,C or G

<400> 1567
 ttattgattt ttttttttca ctttcccat cacaactcaca cgcacgctca cactttttat 60
 ttgccataat gaaccgtcca gcccctgtgg ngatctccta tganaacatg cgttttntga 120
 taactnacaa ccctac 136

<210> 1568
 <211> 192
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4, 16, 17, 48, 52, 57, 82, 91, 98, 109, 123, 151, 155, 162,
 166, 168
 <223> n = A,T,C or G

<400> 1568
 ttgngtctgt gtgagnggt tgaccttct ccatcccctg gtccttcnct tnccttnccg 60
 aggcacagag agacagggca gnatccacgt ncccatntg gaggcagana aaagagaaag 120
 tgntttatat acggtactta ttaatatcc nttntaatt anaaantnaa acagttaatt 180
 taattaaaga gt 192

<210> 1569
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 358, 505, 511, 513, 547
 <223> n = A,T,C or G

<400> 1569
 ctagttctgt cccccagga gacctggttg tgtctgtgtg agtggttgac cttcctccat 60
 cccctggtcc ttcccttccc ttcccaggc acagagagac agggcaggat ccacgtgccc 120
 attgtggagg cagagaaaaag agaaagtgtt ttatatacgg tacttattta atatcccttt 180
 ttaattagaa attaaaacag ttaatttaag taaagagtag ggtttttttt cagtattctt 240
 gggttaattt taatttcaac tatttatgag atgtatcttt tgctctctct tgctctctta 300
 tttgtaccgg tttttgtata taaaattcat gtttccaatc tctctctccc tgatcggnga 360
 cagtcactag cttatcttga acagatatatt aattttgcta aactcagct ctgccctccc 420
 cgatcccctg gctcccagc acacattcct ttgaaataag gtttcaatat acatctacat 480
 actatatata tatttggaac cttgnatttg ngngtatata tatatatata tgtttatgta 540
 tatatngat tctgataaaa tagacattgc tatttc 575

<210> 1570
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 114, 374
 <223> n = A,T,C or G

<400> 1570
 ctagtccagn gtggtggaat tccgccgcca tcatgggtcg catgcatgct cccgggaagg 60
 gcctgtccca gtcggttta ccctatcgac gcagcgtccc cacttggttg aagntgacat 120
 ctgacgacgt gaaggagcag atttacaac tggccaagaa gggccttact cttcacaga 180
 tcggtgtaat cctgagagat tcacatgggt ttgcacaagt acgttttgtg acaggcaata 240
 aaattttaag aattcttaag tctaaggac ttgctcctga tcttctgaa gatctctacc 300
 atttaattaa gaaagcagtt gctgttcgaa agcatcttga gaggaacaga aaggataagg 360
 atgctaaatt ccgncgtgatt ctaatagaga gc 392

<210> 1571
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 1571
 gaaggacgtt tgtgttgaa gccctggtat ccccggcact cctggatccc acggcctgcc 60
 aggcaggagac gggagagatg gtgtcaaagg agaccctggc cctccgggcc ccatgggtcc 120
 acctggagaa atgccatgtc ctctggaaa tgatgggctg cctggagccc ctggtatccc 180
 tggagagtgt ggagagaagg gggagcctgg cgagaggggc cctccagggc ttccagctca 240
 tctagatgag gagctccaag ccacactcca cgactttaga catcaaatec tgcagacaag 300
 gggagccctc agtctgcagg gctccataat gacagtagga gagaagggtc tctccagcaa 360
 tgggcagtc atcacttttg atgccattca 390

<210> 1572
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 368
 <223> n = A,T,C or G

<400> 1572
 ctgcagcttc tgctgctgag gccgggattg ctacgactgg gactgaagggt gaaagagggt 60
 gaatccgaag tcctgggact gcgggatgct aaacattgaa agctgggtgt aggcactgca 120
 gggagagtgt ggaggtctga cagggttaga atatgtggga gggctgggct aggaatggcc 180
 ttggaggctg gcctgtgttg atatggcacc aattctaccc tgctcctctt ttccttttcc 240
 cagactcaga cgatgcctg ctgaagatga ccatcagcca gcaagagttt ggccgactg 300
 ggcttctga cctaagcagt atgactgagg aagagcagat tgcttatgcc atgcagatgt 360
 ccctgcangg gagcagagtt tgg 383

<210> 1573
 <211> 149

1570-1573 Homo sapiens

<212> DNA

<213> Homo sapiens

<400> 1573

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cctccagagc ctctctagtg gcagagcagc tcacactccc tccgctggga acgatggctt 60
ctgcctagta cctatccttg tgtttctgat gcagtggtag cattgggttca agttctctcc 120
tgctgtggtc agagttgctt cgatgttg 149
```

<210> 1574

<211> 143

<212> DNA

<213> Homo sapiens

<400> 1574

```
ctgccaggct gaaaagaagc ctcagctccc acaccgcct cctcaccgcc cttectcggg 60
agtcaattcc actggtggac cacgggcccc cagccctgtg tcggccttgt ctgtctcagc 120
tcaaccacag tctgacacca gag 143
```

<210> 1575

<211> 112

<212> DNA

<213> Homo sapiens

<400> 1575

```
ctgcatccac cctctttcag ggggtagagc cactatactt ctcatgtaga tcagccacat 60
tgtcactgga gactcggatc cagccatcct cccgcacgtg gtagagggtg ac 112
```

<210> 1576

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1576

```
ccagtatgtc cccaggatta tgtttggtga cccatctctg acagtttagag ccgatatcac 60
tggaagatat tcaaatcgtc tctatgctta cgaacctgca gatacagctc tgttgcttga 120
caacatgaag aaagctctca agttgctgaa gactgaattg taaagaaaaa aaatctccag 180
gcccttctgt ctgtcagg 198
```

<210> 1577

<211> 444

<212> DNA

<213> Homo sapiens

<400> 1577

```
cctgcctgga gccccagatc accccttctt actacaccac ttctgacgct gtcattttcca 60
ctgagaccgt cttcatttgt gagatctccc tgacatgcaa gaacagggtc cagaacatgg 120
ctctctatgc tgacgtcggg ggaaaacaat tccctgtcac tcgaggccag gatgtggggc 180
gtcatcaggt gtcctggagc ctggaccaca agagcgccca cgcaggcacc tatgagggtta 240
gattcttcga cgaggagtcc tacagcctcc tcaggaaggc tcagaggaat aacgaggaca 300
tttccatcat cccgcctctg tttacagtca gcgtggacca tcggggcact tggaacgggc 360
cctgggtgtc cactgagggtg ctggctgcgg cgatcggcct tgtgatctac tacttggcct 420
tcagtgcgaa gagccacatc cagg 444
```

<210> 1578

<211> 294
 <212> DNA
 <213> Homo sapiens

<400> 1578
 ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
 ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaaccct gtaatcaacc 120
 cctaccagcc agcacctcct tcagggttact tcatggcagc tatcccacag actcagaacc 180
 gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240
 ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294

<210> 1579
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 176, 181, 182, 248
 <223> n = A,T,C or G

<400> 1579
 ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
 ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaaccct gtaatcaacc 120
 cctaccagcc agcacctcct tcagggttact tcatggcagc tatcccacag actcanaacc 180
 nngctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240
 ctcaggnggc cagacctcat ccattccaaa aatatgcccg gtgctatccg cccag 295

<210> 1580
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 1580
 cttcttttatt ggggacatgt gggctggaac agcagatttc agctacatat atgaacaaat 60
 cctttattat tattataatt atttttttgc gtgaaagtgt tacatattct ttcacttgta 120
 tgtacagaga ggtttttctg aatatttatt ttaagggtta aatcac 166

<210> 1581
 <211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 420
 <223> n = A,T,C or G

<400> 1581
 ctgaggcaac agaataaatg cagaggcatt acaatgaatc ccacttaata taaagaacta 60
 tacagaccaa cacttctcta caaaattttt ttttcctcat tgccagttaa atacagagtt 120
 ttactttcat agcttaacaa tgaagggtca tacactgaag ccaatacata tacctagcat 180
 ttcagtctaa gcttgtccac gtacatagct gaagtcaatt acaaggtttg gcctagaaat 240
 gctaggggaa cttcttttga gtttttacag gtattaaact tcctcttgca cactgaagtc 300

<400>	1585						
caaccctctc	tctctcagcgc	ttcttctttc	ttggtttgat	cctgactgct	gtcatggcgt	60	
gccctctgga	gaaggccctg	gatgtgatgg	tgtccacctt	ccacaagtac	tggggcaaag	120	
agggtgacaa	gttcaagctc	aacaagtcag	aactaaagga	gctgctgacc	cgggagctgc	180	
ccagcttctt	ggggaaaag	acagatgaag	ctgctttcca	gaagctgatg	agcaacttgg	240	
acagcaacag	ggacaacgag	gtggacttct	aagagtactg	tgtcttcttg	tctgtcatcg	300	
ccatgatgtg	taacgaattc	tttgaaggct	tccagataa	gcagcccagg	aagaaatgaa	360	
aactcctctg	atgtggttgg	ggggtctgcc	ag			392	

<210> 1586
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 1586
 cctccactgc cagcctatgg ttgttcgcca ccaagccagg agtgctgcac cgcccagtg 60
 tccccctcgg gctccaggcc cccactgaga ccctctcgga ggcagaagca cttcaccct 120
 cagagtccta caagtccaac cagtggacct ggaattgg 158

<210> 1587
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 1587
 ccaatgtaca tgggtggacta tgccggcctg aacgtgcagc tcccgggacc tcttaattac 60
 tagacctcag tactgaatca ggacc 85

<210> 1588
 <211> 369
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 363
 <223> n = A,T,C or G

<400> 1588
 ccaggctacc ttccactgg agacaggcag ggggacaggt gctaaggagc ctggcaggca 60
 gggctggcag gccccatggc gcctgttcca gcagatgaca agcccaggtc agggtagagc 120
 gggcaggagg ggggacgagg gctcccacaa catgattttg tgtaaaatat ggcagcgaca 180
 cacgctcagg gccgggaggt ggggggttagg gtggggacgg cggcaacatc gtgtaaaaaa 240
 gtgtcccagt tcccatagca aagagagctg tgaccgggtg ttcagagctt ctccagtaca 300
 aggggggaaag ccgcccggcg ggggcggcgg gcagggacat catttggttt cctggtgctg 360
 tcngtccga 369

<210> 1589
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 1589
 ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggccgcg 60
 tacttggttg tgctttgttt ggagggtgtg gtggtctcca ctccgcctt gacggggctg 120
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
 agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
 gcagccttgg gctgaccag gacggtcagc ttggtccctc cgccgaacag taaaaggga 300
 ctgaggtgt tatcatagga ctggcagtaa taatcagcct catcttcagc ctggagccca 360
 g 361

<210> 1590

<211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 397
 <223> n = A,T,C or G

<400> 1590
 ctggagaagg tgtgcagggg aaacctgct gatgtcaccg aggccagggt gtctttctac 60
 tcgggacact cttccttttg gatgtactgc atgggtgttct tgggtgctgta tgtgcaggca 120
 cgactctgtt ggaagtgggc acggctgctg cgaccacag tccagttctt cctgggtggcc 180
 tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gagcgatgta 240
 cttgttgagg tcctgcaggg ggcactgggt gctgccctca ctgtctgcta catctcagac 300
 ttcttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
 agcctgtcac tgacgttgac cctgggagag gctgacnaca accactatgg ataccgcac 420
 tcctcctcct gagg 434

<210> 1591
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 409
 <223> n = A,T,C or G

<400> 1591
 gctttcgcca gaaaatgttg catgtcaaac aatatgtgat ccatactgtg tgctcgtcctt 60
 gggggtttat ttgactttgt cacaatgaca gccaacagtg agactgataa gcctgtaaaa 120
 ataaaaaaat aagactaatc aaatagacat ggcatTTTTaa tctcaaagtg caaaatcatc 180
 taactgaaaa tgacggcatt gagaaattcc agtgggttaa aatgaatcaa aacttcatta 240
 cgcaggcagt ggaagtgtgt tgaaagattt accaggggtg tcaagtttta gacactcaga 300
 aaggcaccat tctagccatc ttgattggat aacatgtata tacttatgtc cctacgatat 360
 tcaaaagata atactgtttt agtacaaaac aatcaaaca ggcaaagant caaaaccaag 420
 ccaacccaaa tatccccag 439

<210> 1592
 <211> 74
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 53
 <223> n = A,T,C or G

<400> 1592
 tttttttttc taatgttcac agtccctgct ttatttccat ttgttcacac acncttttaa 60
 aaaaaaaaaa aaaa 74

<210> 1593

<211> 288
 <212> DNA
 <213> Homo sapiens

<400> 1593
 ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc tacacttcaa 60
 agcttttggtg caattcccat cgaccagagt tgggtccgacc agccttggaa aggtcactga 120
 aaaatcttca attggattat gttgacctct accttattca ttttccagtg tctgtaaagc 180
 caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac acagtggatc 240
 tctgtgccac gtgggaggcc gtggagaagt gtaaagatgc aggattgg 288

<210> 1594
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 1594
 ccacacagac tcaccaagcc acagacttgt cttccacaag cacgttctta ccttagccac 60
 gaagtgacca agccacacgt actaaagggt gaactcaaag atatgtacag ggtattaaac 120
 aaataccaag gggaacagtt aacttcaata caagggtcaaa atcagcaaca agttctacaa 180
 tccagtgtctg atatcagata caagcttcaa ggacaatttc ttttcgaagg cttattccag 240
 tttcgtgagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300
 acccatgcag caaatgctac gcatctgctg agtccgttta gaagcatttg cgggtggacga 360
 tggagggggcc cgactcgctg tactcctgct tgctaatacca catctgctgg aaggtggaca 420
 gtgaggccag gatggagcca ccgatccaca ccgag 455

<210> 1595
 <211> 367
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 360
 <223> n = A,T,C or G

<400> 1595
 ccaggctacc ttcccactgg agacaggcag ggggacaggt gctaagggac ctggcaggca 60
 gggctggcag gccccatggc gcctgttcca gcagatgaca agcccagggtc agggtagagc 120
 gggcaggagg ggggacgagg gctcccacaa catgatattt tgtaaaatat ggcagcgaca 180
 cacgctcagg gccgggaggt gggggttagg gtggggacgg cggcaacatc gtgtaaaaaa 240
 gtgtcccagt tcccatagca aagagagctg tgaccgggtg ttcgagcttc tccagtacaa 300
 gggggaaagc cgcccggcgg gggcggcggg cagggacatc atttggtttc ctggtgctgn 360
 cagtccg 367

<210> 1596
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 1596
 ctgttcttca tgcgcctggt ggggaagacg ccatttgaga cactgatcag agacatgctg 60
 ctgtcgggga gtaccttcaa ctggccctac ggctcggggc agtgaccatg acggggccac 120
 gtgtgctgtg gccaggcctg cagacagacc tcaagggaca ggggaatgctg agggccccgg 180

aggccccctcg agg

193

<210> 1597

<211> 145

<212> DNA

<213> Homo sapiens

<400> 1597

```
ccatgctgga tgttctgctg cttagacctg atctgctgcc aattaccagg ggcagggtcaa 60
ggatgacctt cttggatcca ggaacgctaa catagatcag taaggaatat tcaactcgaa 120
ggatgttgca gcccaggata gaagg                                     145
```

<210> 1598

<211> 445

<212> DNA

<213> Homo sapiens

<400> 1598

```
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggatcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcactgt gtgctgcca 120
agctgggtcc atgacaactt ctgggtggggc gagagcaggc atggcaacaa atcccaagtt 180
aggggtctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt tgtagttact 240
tttggcagaa atgtcgtagt actgaagatt cttctttcgg tgggaagacaa tggatttcgc 300
cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360
acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagtaa ctctcgatgt 420
tacatcaaac attatgatgg cacac                                     445
```

<210> 1599

<211> 142

<212> DNA

<213> Homo sapiens

<400> 1599

```
cctgccccag ggggaagcac ggacccgaga cgacggcgat gaggaagggc tcctgacaca 60
cagcgaggaa gagctggaac acagccagga cacagacgcg gatgatgggg ccttgacagta 120
agcagcctga caggagcaat gg                                     142
```

<210> 1600

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1600

```
cctgcacttg aacatggctt tggtttttaag caacttctct accctgaccc tcctcctggg 60
acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccgt 120
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297
```

<210> 1601

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1601
 ctggagatga tcctcaacaa gccagggtctc aagtacaagc ctgtctgcaa ccagggtggaa 60
 tgtcatcctt acttcaacca gagaaaactg ctggattttct gcaagtcaaa agacattgtt 120
 ctggttgccct atagtgtctt gggatcccac cgagaagaac catgggtgga cccgaactcc 180
 ccggtgctct tggaggaccc agtcctttgt gcctcggcaa aaaagcacao gcgaacccca 240
 gccctgattg ccctgcgcta ccagctacag cgtgggggtt tggctctgg 289

<210> 1602

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 274, 312, 329, 332, 368

<223> n = A,T,C or G

<400> 1602
 gggagggcag agggagaatg ggaagatcag gaagctctag attacttcag tgataaagag 60
 tctggaaaac aaaagtttaa tgattcagaa ggggatgaca cagaggagac agaggattat 120
 agacagttca ggaagtcagt cctcgcagat cagggtaaaa gttttgctac tgcattctac 180
 cggaatactg agaaggaagg actcaagtac aagtcctaaag ttctactgaa aggcaataga 240
 gaaagtgatg gatttagaga agaaaaaaat tatnaactta aagagactgg atatgtagtg 300
 gaaaggccta gnactacaaa agataagcnc anagaagaag acaaaaattc tgaaagaata 360
 acagtaanga aagaaactca gtcacctgag caggtaaa 398

<210> 1603

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1603
 ctggtgatct gctttcttac cctaactctt gacaaatgag tcgtctacta ttttaaagag 60
 tctggaggct tctgactctg ccataacaat aacctgctgt taatttataa cacagatttt 120
 tgtttggaag agccttattt gaaatacact ttgattcatt ttcttaaata tttatattct 180
 tttcttgctt acttcagggt tggtagctta gttggaagt ccagcacctg gcacctattc 240
 atatagaaca ggctgtactc aagacaactt cttagcattta cttaaagact tatataattt 300
 atttctattt tgtgtgtact atagtcttgt gcatatgtag ttgaacacac agtgaaatat 360
 atgtctctct ttgtggatgt gcggcctaaa aatttgaatg tctggtgaga gagagccatg 420
 tgtataggct agagaaaa 438

<210> 1604

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1604
 cctgcacttg aacatggctt tggttttaag caacttctct accctgacct tcctcctggg 60
 acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
 caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
 caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
 tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

<210> 1605

<211> 451
 <212> DNA
 <213> Homo sapiens

<400> 1605
 ggaaaggcta ttgtttctcg acagtttgtg gaaatgaccc gaactcggat tgagggctta 60
 ttagcagctt ttccaaagct catgaacact ggaaaacaac atacgtttgt tgaaacagag 120
 agtgtaagat atgtctacca gcctatggag aaactgtata tggtagctgat cactaccaa 180
 aacagcaaca ttttagaaga tttggagacc ctaaggctct tctcaagagt gatccctgaa 240
 tattgccgag ccttagaaga gaatgaaata tctgagcact gttttgattt gatTTTTTgct 300
 tttgatgaaa ttgtcgcact gggataccgg gagaatgtta acttggcaca gatcagaacc 360
 ttcacagaaa tggattctca tgaggagaag gtgttcagag ccgtcagaga gactcaagaa 420
 cgtgaagcta aggctgagat gcgtcgtaaa g 451

<210> 1606
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 1606
 ccggagccca cgggtggtcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc 60
 ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120
 ccagccaagg acaggggtgga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180
 cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gccctgtag 240
 gaagcagaat gcaccttctg aggcacctcc ag 272

<210> 1607
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 1607
 ccaggctggt ctcaaaactcc tcacctcaac tgatccgccc accttggcct cccaaagtgc 60
 tgggattata ggtgtgagcc accgtgccca aagttaagta tttttgatca agtgttttgt 120
 cttttgtgca aggcatTTgt ggctctgtca tagcagagga aaacaaaaca tgcctatcaa 180
 atgaatcaag tccgacctct tctcatattg agcaactaga ggtctaggaa catttccct 240
 acctgtcatt ctcatctggc ataccagggtg tacatactcc ttcttattct cctctgttac 300
 caagatgttg gccccattgg gtttgaggtc acgaacttca caaactccaa actcttggac 360
 ctcatgtctg aagggtgaggt catagcctag tgtggagaca tcattttcca gcagataaac 420
 cagaccttgg tagaagtggg aatc 444

<210> 1608
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 1608
 caaaatccaa aacttctctt gaaaagttca gggaccgtcc aggggagatg gggaggagat 60
 atggagttag tcacctgctc cagaagatgc cagcttctct ctccagggtg cttagttagc 120
 tttgccacc cctcactccc cagggagctc tggggacagc ttcctcgcac ccctgtccca 180
 cccacacag 189

<210> 1609
 <211> 426

<212> DNA

<213> Homo sapiens

<400> 1609

```

cttttggttat ccttagagga ctccactggtt tcttttcata agcaaaaagt acctcttctt 60
aaagtgcact ttgcagacgt ttcactcctt ttccaataag cttgagttag gagcttttac 120
cttgtagcag agcagtatta acacctagt tgggtcacctg gaaaacagag aggctgaccg 180
tggggctcac catgcggatg cgggtcacac ggaatgctgg agagatgtta tgtaatatgc 240
tgagggtggcg acctcagtgg agaaatgtaa agactgaatt gaattttaag ctaatgtgaa 300
atcagagaat gttgtaataa gtaaatgcct taagagtatt taaaatatgc ttccacattt 360
caaaatataa aatgtaacat gacaagagat tttgcgtttg acattgtgtc tgggaaggaa 420
gggcca                                         426

```

<210> 1610

<211> 447

<212> DNA

<213> Homo sapiens

<400> 1610

```

cagggtctata gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatgggtg 60
acttcttggg agtgggggac caccaggttg cctaaggagg ggtgaacctg cctacgttgg 120
aaatagagct ggtcaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc 180
accgccctcc agcatgggca acatagcaag accctgcctc ttaagataaa aattggaaaa 240
cactggtagg aaaaaaaggc tgtttggctc aaataagtct ggattgggta taaatgacac 300
aaaactatca tgaatttgaa agcatttcta atttcttgaa agtctgaaaa agtttaaaaca 360
gaatttttagc tgaaaagtcc tgaaaagacat ttgaaaaaaa acagcaagaa cacttaaaac 420
tattcaaggt ttgggctggg cacagtg                                         447

```

<210> 1611

<211> 238

<212> DNA

<213> Homo sapiens

<400> 1611

```

ccaccggggt tgacctctct cgctagcagg gccacccag ctccactcccc gcgtcttcca 60
tcccctctag gattcccat tccccctact ccagcactag gcaggcacc ccagccact 120
gcgactccca ccacgaagga cccagccct ctctcagcca acacggcccc gccaccgtc 180
tcagacatcg tgcttcttct ggtgggccc gagtctctcc tcgtcgtcga aggtctgg 238

```

<210> 1612

<211> 293

<212> DNA

<213> Homo sapiens

<400> 1612

```

ctgtctgctt taccctcggg agagggtttc ccactctgag cgggtgggaa ggcaatgcc 60
aacatccggg aaaaaataaaa ccactgtctc cacatgagct ggaactgtac gccccttgtg 120
ggtctcctca gggcgatggg agcgaatctc tgcaaaacgg taccattgtg tgcacacact 180
tagatcaatg cctgtcagag ccttacaaca acgaatagca gtcttaatca acacagaggg 240
atctttttct ggggtctggtc catccaacga aggagaccag tggccccc aa tgg 293

```

<210> 1613

<211> 224

<212> DNA

<213> Homo sapiens

<400> 1613

```
ctggattgac cccaaccaag gctgcaacct ggatgccatc aaagtcttct gcaacatgga 60
gactggtgag acctgcgtgt accccactca gccagtggtg gccagaaga actggtacat 120
cagcaagaac cccaaggaca agaggcatgt ctggttcggc gagagcatga ccgatggatt 180
ccagttcgag tatggcggcc agggctccga ctctgccgat gtgg 224
```

<210> 1614

<211> 439

<212> DNA

<213> Homo sapiens

<400> 1614

```
ctccaccctg gcgatggctc cctggtccta ctttctctct caaactggct ttttctcatt 60
cctttgactc cgccagactt cctcgccccc atgacctggt gttgtgtctg atcaccccaa 120
cattctggc tgcccaatgt ggggcaatga agacccagtg gaaggaatgc tagagtgtgt 180
gaaagtggag gacgcatcgt caaaggacac ctgaggacgt ctcaaagaag ctcggcggga 240
gagctgagcg ctcggaagaa ccaagaatca tctcttttga aaaatcgatt catcaaatga 300
atcttcggcc aacaactgtt caagaaggat tcaaatatca caggttccaa gaagtaaagc 360
tttggaggtc acaaaaattag caatagaagc tgggttcgc catatagatt ctgctcattt 420
atacaataa tgaggagca 439
```

<210> 1615

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1615

```
aggcactcct ggaagtgggt cagtcagggt gcaaaaacat tgaacttgct gtcattgaggc 60
gagatcaatc cctcaagatt ttaaactcctg aagaaattga gaagtatgtt gctgaaattg 120
aaaaagaaaa agaagaaaac gaaaagaaga aacaaaagaa agcatcatga tgaataaaat 180
gtctttgctt gtaattttta aattcatatc aatcatggat gagtctcgat gtgtagg 237
```

<210> 1616

<211> 266

<212> DNA

<213> Homo sapiens

<400> 1616

```
ctgggctcta gtttcattcc atctgtcatt ctcaggtaac agggacacat gtccaagtgt 60
tgcccccggt ggcatgattg tagctttgtt gataggcatt gcatcttttg tgtaatatgc 120
aataatggca tgaccagatt catgatatgc tgtgatggtt ttgtttttgt tatcaatttc 180
cacacttctt ctttcaggcc ccattagaat tttgtctttg gaaaactcca gctccttcatt 240
ggttaaccatt tcttttccat caacag 266
```

<210> 1617

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 62

<223> n = A,T,C or G

<400> 1617

```
ccatggctag gtttatagat agttgggttg ttggtgtaaa tgagtgaggc aggagtccga 60
gnaggtagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
ctttagtgtt gtgtatggtt atcatttggt ttgagggttag tttgattagt cattgttggtg 180
tggtg                                           185
```

<210> 1618

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 201, 214, 225, 230, 232, 241, 245, 249, 278

<223> n = A,T,C or G

<400> 1618

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ctgttaacag ataagtttaa cttgcatctg cagtattgca tgttagggat aagtgccttat 60
ttttaagagc tgtggagttc ttaaataatca accatggcac tttctcctga ccccttccct 120
aggggatttc aggattgaga aatttttcca tcgagccttt ttaaaattgt aggacttggt 180
cctgtgggct tcagtgatgg ngatagtaca catntcactc agagngcatt tntgcatctt 240
ntaanatana tttcttaaaa gcctctaaag tgatcagntg ccttgatgcc aactaaggaa 300
atttgtttag cattgaatct ctgaaggctc tatgaaagga atagcatgat gtgc       354
```

<210> 1619

<211> 170

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 145, 146

<223> n = A,T,C or G

<400> 1619

```
ctgtgctgtg gagagaagct gatgttttgg tgtattgtca gccatcgtcc tgggactcgg 60
agactatggc ctgcctccc caccctcctc ttggaattac aagccctggg gtttgaagct 120
gactttatag ctgcaagtgt atctnncttt tatctggtgc ctctcaaac       170
```

<210> 1620

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1620

```
cctgttgatt gcatactgta gaagatttga tgttcagact ggttcttctt acatatacta 60
tgtttcgtct acagttggta aatttttgtt tttctttgta ttaaattgtt aattgtattg 120
tctggaggaa aagacagagg tctaaaaata aagaaggagt acagtttggg catggtgggt 180
caccctgga gtcctagcac tttggggggc aaggcaggca gattgcttga gccaggagt 240
ttagatgag cctgggcaac atagtgaagc cccatctcta aaaaaacagt tttagggcca 300
ggcacagtgg ctacacacctg taagcccagc actttgggag gccgaggcag gcagatcata 360
agggcaagag attgagacca tcctgg                                           386
```

<210> 1621
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 267
 <223> n = A,T,C or G

<400> 1621
 ccaattctgc ccgttccccc tgggcccaaca acactgggggt tgtatgctgc tggaaccctg 60
 tgatagtctt cggttgcca gcctggccca ccacatccac tgcctggccc acacggacag 120
 acactggcaa tggccgcagc tcctcatcaa acgtaaccag cattcggggc tgcattggcag 180
 ccaccagccc atacaataca tagtgtgatt tgcctagaat aatgtttcga acatccagga 240
 aagagacaag cacagtgagc agtccancca cgccacactg gtcataagc tgccggtcgc 300
 tgtggtaggg gcagagggtg aggggtgcct tcctaaatg tgtcag 346

<210> 1622
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 1622
 ggaagtgtgt gctctctgcg tggctaagtt ttccacctac taggacgggg gtgggggtggg 60
 gagaacaggt gtccttctaa aatacagcac aagctacagc ctgcgtccag ccataaccca 120
 ggagtaacat cagaaacagg tgagaatgac cactttaact caccggggcc gtcgcactga 180
 aataagcaag aactctgaaa agaagatgga aagtgaggaa gacagtaatt gggagaaaag 240
 tccagacaat gaagattctg gagactctaa ggatatccgc cttactctta tggaagaagt 300
 attgcttctg ggactaaaaa ataaagaggg gtacacatct ttctggaatg actgcatatc 360
 atcagg 366

<210> 1623
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 1623
 ctgttgattg gctgtgacac tgctttgtgt catcttctta ccatgatcaa aggcgaagga 60
 agggatctct ttggggacat tgtgattggt ttagcagaga gagaaagaga tgaaatacac 120
 ttcggttttc tcttaaaaaga tgcatgtatc atacagtgtc ttaag 165

<210> 1624
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 1624
 ccaatgcccc gagcaggccc tctttccatc cctgtcgga tgagctgggc aactatgtca 60
 acaaacggaa taccacgtgg caagccgggc acaacttcta caacgtggac atgagctact 120
 tgaagaggct atgtggtacc ttcctgggtg ggcccaagcc accccagaga gttatgttta 180
 ccgaggacct gaagctgcct gcaagcttcg atgcacggga acaatgg 227

<210> 1625
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 1625
 ctgtagcttt tgtgggactt ccactgctca ggcgtcaggc tcaggtagct gctggccgcg 60
 tacttggtgt tgctttgttt ggaggggtgt gtgggtctcca ctcccgcctt gacggggctg 120
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
 agtgtggcct tggtggcttg aagctcctca gaggaggggtg ggaacagagt gaccgagggg 240
 gcagccttg gctgacctag gacggtcagt ttgggtccctc cgccgaacac ccgaagataa 300
 ttagtgctgt ctggtgagta acaatagtag tcaccttcat cttccacctg ggccccagtg 360
 atggtcaagg tgg 373

<210> 1626
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 1626
 ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
 cttgaggtca ggagttcgag accagcctcg ccaacatggg gaaaccccat ttctactaaa 120
 aatacaaaaa ttagccaagt gtggtggcat atgcctgtaa tcccactac tcagaaggcc 180
 gaggcaggag aattacttga acgcaggaga atcactgcag ccctggaggc agagggttgca 240
 gtgagccgag attgcaccac tgtactccag cctgggtgac agagcaagac tccatctcag 300
 taaataaata aataaataaa aagcgctgca gtagctgtgg cctcaccctg aagtcagcgg 360
 gcccagg 367

<210> 1627
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 1627
 ctggataagg acatcaatac cttctctatg cgtgtcaggg tgtggtacgg gtatcacttt 60
 ccggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagtattt 120
 ggaaaccgaa gggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180
 ggggccaagg ctaaggctat tctggatgcc tcacggtcct ccatgggcat ggacatatct 240
 gccattgact tgataaacat cgagagcttc tccagtcgtg tgggtgtctt atctgaatac 300
 cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360
 gccctaattg ggggaagcgg aggtgcacgt ctcacgcac atgctggcag cctcaccaac 420
 ctgg 424

<210> 1628
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 1628
 tcgactgtta tagcttagaa agcaacacta ctactatgag actataaaac attaaactat 60
 tttaagaaaa ccacgctgtg gaaaaatgga gccatttttg tcaaaaagt gctcaaagca 120
 caaaactgct cagatgttca agagtcctag gagtctgggc tgcacagtat taaggggtga 180
 gaggagaccg acagcctgtt tgaatcaggc ttgtgagccc agctcatctg acaacttcaa 240
 agagcttctc tgcctataca ttccaccgtt tagcataaga caccacttta cgctattttac 300

aagtctcctt ttgg

314

<210> 1629

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 284

<223> n = A,T,C or G

<400> 1629

ctggaccagc	acccattga	cggttacctc	tcccacaccg	agctggctcc	actgcgtgct	60
ccctcatcc	ccatggagca	ttgcaccacc	cgctttttcg	agacctgtga	cctggacaat	120
gacaagtaca	tcgccctgga	tgagtgggccc	ggctgcttcg	gcatcaagca	gaaggatatt	180
gacaaggatc	tttgtatcta	aatccactcc	ttccacagta	ccggattctc	tctttaaccc	240
tccccttcgt	gttttcccc	aatgtttaaa	atgtttggat	ggtntgttgt	tctgcctgga	300
gacaaagggtg	ctaacataga	tttaagttga	ataacattaa	cggtgctaaa	aaatgaaaaa	360
ttctaaccga	agacatgaca	ttcttagctg	taa			393

<210> 1630

<211> 317

<212> DNA

<213> Homo sapiens

<400> 1630

ctgcaagaat	atcagaaatc	aatacaaaaca	agtattgaca	ggtgttacag	acatgcaaaa	60
tatccttcaa	tgcaacgaat	ttttaagaaa	tcagctagcc	tatattaatc	agatgtttta	120
ggtcaaacca	agtttccatc	tcgggctcag	tgaaatagta	ttaaactcatt	gagtctcctt	180
tccccagga	atgttgggaa	tggcagaaca	gaaagagcta	tcactcctta	aattctttta	240
tgcgagtgtt	actccaacac	ttattttact	tggtttactt	ggaatgtatg	agaggaaact	300
gatgtttttt	acaatgg					317

<210> 1631

<211> 262

<212> DNA

<213> Homo sapiens

<400> 1631

ccttaggcaa	gtcaccttac	ttatctaaga	ctgtttcccc	acctggaaga	tgccctacaa	60
gcctcctgtg	gctgtgttta	gaaagcatgc	ccggcctttc	ttgacagcca	gccaccccag	120
atgatggcag	ggcaagggaag	actgttagga	gtcagagtgc	tcccctcagg	tggaaggaaa	180
ctgggccaac	tctactttgt	aagccatagg	gtgccaggta	gcccggccac	cctgagcctg	240
tgcctccact	gccccgcgt	gg				262

<210> 1632

<211> 138

<212> DNA

<213> Homo sapiens

<400> 1632

ctggaattaa	ttcttcgaca	actccagacc	gaccttcgga	aggaaaaaca	agacaaggcc	60
gttctccaag	cagaagtgca	gcacctgaga	caggacaaca	tgagactgca	ggaggagtcc	120

cagaccgcga cagctcag

138

<210> 1633

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 17, 55, 80, 81, 94, 95, 106, 107

<223> n = A,T,C or G

<400> 1633

```
ccttgaaggg acctcanagc aaaggaagag acctgggtgt ggtgaggcat cccanggcac 60
ggaagggacc ggttgtgctn ngggaatcca ctgnnccctc cttggnnaaa aaagcacaac 120
acatcatata tatttaccag accagaagcg ctggccccaa gtctccccaa cctggtcggg 180
ggaacctcct gg 192
```

<210> 1634

<211> 447

<212> DNA

<213> Homo sapiens

<400> 1634

```
ctgcttttaa aggtcttaaa tcaactcgaat accttgactt gagcttcaat cagatagcca 60
gactgccttc tggctccct gtctctcttc taactctcta cttagacaac aataagatca 120
gcaacatccc tgatgagtat ttcaagcggt ttaatgcatt gcagtatctg cgtttatctc 180
acaacgaact ggctgatatg ggaataacctg gaaattcttt caatgtgtca tccctgggtg 240
agctggatct gtcctataac aagcttaaaa acataccaac tgtcaatgaa aaccttgaaa 300
actattacct ggaggtcaat caacttgaga agtttgacat aaagagcttc tgcaagatcc 360
tggggccatt atcctactcc aagatcaagc atttgcgttt ggatggcaat cgcactctcag 420
aaaccagtct tccaccggat atgtatg 447
```

<210> 1635

<211> 364

<212> DNA

<213> Homo sapiens

<400> 1635

```
gttttatttg agacataaaa acacatgtgt ttctattaca tagtgtgggg tttaggggtcc 60
tggtttctaa gacaagactt tatttcaccc tgtatcacag cttcctggga aatgaattag 120
ggagcaagag acggcctggc aagaaaatca ttattgttgc tgggaagttg caaagaaagg 180
ggagagttta ttcaaattag tgtaacagag cccccaggat gaagagagtg gtgcagggaa 240
aagggtctaaa ttcttggtgt tgggtggggac actggcacat cccacagcaa ggactcagcc 300
ctcaacggcg gcggctgggt cttgggaggg gagtgggtggg agggtaaggg ctccctcagct 360
ccct 364
```

<210> 1636

<211> 399

<212> DNA

<213> Homo sapiens

<400> 1636

```
ctggctggct agactgtttg tgcgccaaga ggatgggtcag cgctgctttc cagcctggct 60
```


aatacagcag gcaaagtgc atttttgcc gatgactccc ctttttcgga gtacaccgat 240
atcagtgggc gagcgcacgc catggcggac ctcggccg 278

<210> 1641

<211> 227

<212> DNA

<213> Homo sapiens

<400> 1641

ccattgttcc cgtgcatcga agcttgcagg cagcttcagg tcctcggtaa acataactct 60
ctggggtggc ttggggccac ccaggaaggt accacatagc ctcttcaagt agctcatgtc 120
cacgttgtag aagtgtgtcc cggcttgcca cgtggtattc cgtttgttga catagttgac 180
cagctcatcc gacaggggat ggaaagaggg cctgctccgg gcattgg 227

<210> 1642

<211> 299

<212> DNA

<213> Homo sapiens

<400> 1642

ctgcacatca aggacatctt caggaagttc aggattgccg tagctaaact gaaaaccacc 60
atccatggac tctccaaacc aaacgtgttt cttctcagca ctagaatctg tccaccagtg 120
tttccgtgga acattcaaag gattggcact tatgcatgtt tccccagttt ccatattaca 180
gaataccttg atagcatcca atttgcatcc ttggttaggg tcaacccagt attctccact 240
cttgagttca ggatggcaga atttcaggtc tctgcagttt ctacggggt ttttacgag 299

<210> 1643

<211> 301

<212> DNA

<213> Homo sapiens

<400> 1643

ccaagggtca caatgagcag cgcacagac agaacgtgca ggtttttgag ttccagttga 60
ctgcagagga catgaaagcc atagatggcc tagacagaaa tctccactat tttacagtg 120
atagttttgc tagccaccct aattatccat attcagatga atattaacat ggagagcttt 180
gcctgatgtc taccagaagc cctgtgtgtg gatggtgacg cagaggacgt ctctatgccg 240
gtgactggac atatcacctc tacttaaatc cgtcctgttt agcgacttca gtcaactaca 300
g 301

<210> 1644

<211> 365

<212> DNA

<213> Homo sapiens

<400> 1644

ctggtgagcg aaggatggga gcagagaaca gagctaaaac ccctggtttt cctttcccca 60
gatgtaaagc ctgctagctg gaactcacag aagattggaa caaaaagata ggagatggac 120
acctggggga ctgctccagc acgaaggga gcatgagca tcacacagca gggccattgc 180
aggggacagg tgcgtgaatt cctgccaga gaacttgaaa gcttacagtg tgctcacagg 240
aaggaatcgg ctcagctagt ccagaaattg ctgcatttcc catattactt agttctttat 300
tcatcctgtg gtaaagagtc acccttgttt tccgtatcta taaaactgaa agacttaaaa 360
tttac 365

<210> 1645

<211> 249
 <212> DNA
 <213> Homo sapiens

<400> 1645
 ctggtgctgg aactgcagaa agttaagcag gagaacatcc agctagcggc agacgcccgg 60
 tctgctcgtg cctatcgaga cgagctggat tccctgcggg agaaggcgaa ccgctgaggag 120
 aggctggagc tggagctgac ccgctgcaag gagaagctgc acgacgtgga cttctacaag 180
 gcccgcatgg aggagctgag agaagataat atcattttta ttgaaaccaa ggccatgctg 240
 gaggaacag 249

<210> 1646
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 398
 <223> n = A,T,C or G

<400> 1646
 ctgtggccgg attgatgggg cccccacttc ctagggctga aggcaagttg aaggaagcag 60
 caggagtacc ggaatgaaaa ccttgtttct caaaggactg ctgggttttg gagtacacag 120
 aacccgagat atctggcacg cccgtgttac tggaggtgac tgaaacacca gtgttgatc 180
 catgagaccc atatccactc ggctgttgga aaggggtggc cgatgcattc aactgacat 240
 tcacaccatg ctgcttgga gaggtaggag ccacagggaa cacagcaggc ccatactgga 300
 aggtgctggg gagggccggg acccctgtat agtatggcag gctggtgtaa actgtagcca 360
 ggaggcagcg ccgggttcag gaatgtctgc tgcgtggnat ggtgagtctg cgtctggttt 420
 ctggtggggg ttg 433

<210> 1647
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 1647
 ccagcttgca agcacgctgg caaatctctg tcaggtcagc tccagagaag ccattagtca 60
 ttttagccag gaactccaag tccacatcct tggcaactgg ggacttgcgc aggttagcct 120
 tgaggatggc aacacgggac ttctcatcag gaagtgggat gtagatgagc tgatcaagac 180
 ggccaggctc gaggatggca ggatcaatga tgtcaggccg gttggtagcg ccaatgatga 240
 acacattttt ttttgtggac atgccatcca tttctgtcag gatctgggtg atgactcggg 300
 cagcagcccc accaccatct ccaatgttac ctccacgagc cttggcaatc gaatccagct 360
 catcaaagaa tagcacacag ggggcagctt ggcgggcctt gtcaaagatt tctctgacat 420
 tggcctcaga ctccccaaac cacatggtga g 451

<210> 1648
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 1648
 cctaaacgag gatttcagct tccattatgc ccaactccag tccaacatca ttgaggcgat 60
 taatgagctg ctagtggagc tggaagggac aatggagaac attgcagccc aggctctgga 120

gcacattcac tccaatgagg tgatcatgac cattggcttc tcccgaacag tagagg 176

<210> 1649

<211> 435

<212> DNA

<213> Homo sapiens

<400> 1649

```
tgtggctgtg ccgttgggtcc tgtgcggtca cttagccaag atgcctgagg aaacccagac 60
ccaagaccaa ccgatggagg aggaggaggt tgagacgttc gcctttcagg cagaaattgc 120
ccagttgatg tcattgatca tcaatacttt ctactcgaac aaagagatct ttctgagaga 180
gctcatttca aattcatcag atgcattgga caaaatccgg tatgaaagct tgacagaccc 240
cagtaaatca gactctggga aagagctgca tattaacctt ataccgaaca aacaagatcg 300
aactctcact attgtggata ctggaattgg aatgaccaag gctgacttga tcaataacct 360
tggtactatc gccaaagtctg ggaccaaagc gttcatggaa gctttgcagg ctggtgcaga 420
tatctctatg attgg 435
```

<210> 1650

<211> 246

<212> DNA

<213> Homo sapiens

<400> 1650

```
ccatgtctgt attgtaactg gtaaaaaggct tcaagtcaga ttgatgatca agaaaagtca 60
aaaccccagc ccaagattgg gaaagcagggt ggtggttcca agctttttaa aaattattga 120
agctctccat cctgttctgt gagtgtgtct tctctttctc cttcacgtca tagccgtgac 180
ccaccgttca tctctgctct tgcgtaaaaga tgaccgatgg agtccaaagc caagtggctt 240
caccag 246
```

<210> 1651

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 171, 172, 303, 344, 354, 357, 366, 367, 379, 391

<223> n = A,T,C or G

<400> 1651

```
cggcaagttc tcccaggaga aagccatggt cagttcgagc gccaagaccg tgaagcccaa 60
tggcgagaag ccggacgagt tcgagtcagg catctcccag gctcttctgg agctggagat 120
gaactcggac ctcaaggctc agctcaggga gctgaatatt acggcagcta nngaaattga 180
agttgggtgt ggtcggaaaag ctatcataat ctttgttccc gttcctcaac tgaaaatcttt 240
ccagaaaaatc caagtccggc tagtacgcga attggagaaa aagttcagtg ggaagcatgt 300
cgnttttatc ggctcagagg aggaattctg cctaagccaa ctcnaaaaaag ccgnacnaaa 360
aattanngca aaaagcgtnc caggagccgt nctctgacag 400
```

<210> 1652

<211> 338

<212> DNA

<213> Homo sapiens

<400> 1652

```

ctgggggtgc ccatcttctg tgctctgtgg tacatatctg tgtcgccaaa gtagcgtgcc 60
cggtacagca agccttcctt ctgctgcttc tccttcacagc agttgttccg gaggttggcg 120
atataatcat cttccacatt ccgctcgact gttttgaggc tggagcctgt gtactcttcg 180
gagaaagtgt ctccacata gtagacgaca cccagggtggc cagtgactcg cctgtggatg 240
tgccccacag acggtcttgg actcagactg taggggtggac tggagaccat gagctggctg 300
agagctgaca cgagaatcag gatgaggata ggcacacag 338

```

<210> 1653

<211> 167

<212> DNA

<213> Homo sapiens

<400> 1653

```

gcggtggagc cgccacaaaa atgcagattt tcgtggaaac ccttacgggg aagaccatca 60
ccctcgaggt tgaacctctg gatacgatag aaaatgtaaa ggccaagatc caggataaag 120
aaggaattcc tcctgatcgg cagagactga tctttgctgg caagcag 167

```

<210> 1654

<211> 1034

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 88, 827, 882, 897, 905, 933, 945, 950, 955, 973, 976, 991, 999, 1010, 1022, 1023, 1024, 1033

<223> n = A,T,C or G

<400> 1654

```

atgcatgctc gagcgggccgc cagtgtgatg gatattctgca gaattcgccc ttagcgtggt 60
cgcgggccgag gtccaagagg gagataaanac aaacttctca aacaaaaaga aaagaaaaaac 120
gaatgattca tctgctttaa tcagtgtgat taatgcagca cccattgccc cggaaccgt 180
ttctgctgta ctatctggat actaaaatgt tacggaagta gctctttgtt ctccctcact 240
ctgcccttag ttaatagaaa ttcagactcg ccaagtaagg ctttgtgcat agtgtcttca 300
tgtcgcgtat agttgagcgc gttcttagca gttggcttca tggacagctc attagtgttt 360
tgacttttct taccagcgt taattgaatt cttgctttta gacaacttcc tttttgtagt 420
ggtgaacctt gccctttagt acagttcaag tgaatctgga taattgttca tctttgcttt 480
agcttagata ccatgtagtg gtctgtggct acaggaagct ggttctgtct gcttccacag 540
tctgcttaaa aaactgtctg acttcgtgaa tatagagacc aagtttacca cttctgatga 600
agagaccaat taagattcat tcctcattct gtttctttcc agtgggagaa gagtcccat 660
gaaataagat gaaactgatt ccatgcacta gtacatgtag gcttctccct tgcgcaaagc 720
ttaacaattt gtaggaaact ttgggtcttt ttgtcccaag aaaaaggaat gtcttgacag 780
gcttaaagct tttcgtcccc ttgcacctta aaactcgaaa gttaggnaaa atccctttaa 840
agggcttttt ttaatagcca gaacttccca aaaggaatgg cnttttaggg aatttcntag 900
ccatngcttt ttaaatttaa agaaattttt aanaaccttg ccccnngggg ggggncccg 960
tccaaaaagg gngngnaaaa ttccccagcc nacccttng gggggggccn cgttttcctt 1020
tnnngggggg aanc 1034

```

<210> 1655

<211> 487

<212> DNA

<213> Homo sapiens

<400> 1655

```

atgcatgctc gagcgggccgc cagtgtgatg gatatctgca gaattcgccc ttctgagcgg 60
ccgcccgggc aggtcctact cttctccgtc cattgtacta tctgcccgtg gtggggatgg 120
cagtaggatc atatttgatg acttccgaga agcatattat tggctccgtc ataatactcc 180
agaggatgcg aaggatcatgt cctggtggga ttatggctat cagattacag ctatggcaaa 240
ccgaacaatt ttagtggaca ataacacatg gaataatacc catatttctc gagtagggca 300
ggcaatggcg tccacagagg aaaaagccta tgagatcatg agggagctcg atgtcagcta 360
tgtgctggtc atttttggag gacctcgcc gcgaccacgc taagggcgaa ttccagcaca 420
ctggcgggccg ttactagtgg atccgagctc ggtaccaagc ttggcgtaat catggtcata 480
gctgttt 487

```

<210> 1656

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 55

<223> n = A,T,C or G

<400> 1656

```

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tcgcggccga ggtcctaccc ataatccaga gaggcttgcc cagaggagga ctacgtgggg 120
gacgtgccac cagaacccta cttgggggcg ggatgtcact ccgagggtcaa aacctgctcc 180
gaggtggacg agccgtagct ccccgaaatgg gcttaagaag aggtggtggt cgaggtcgtg 240
gaggtcctgg gagagggggc ctagggcgtg gagctatggg tcgtggcgga atcgggtggt 300
gaggtcgggg tatgataggt cggggaagag ggggctttgg aggccgaggc cgaggccgtg 360
gacgagggag aggtgccctt gctcgccctg tattgaccaa ggagcagacc tgcccgggcg 420
gccgctcgaa gggcgaaatc cagcacactg gcggccgtta ctagtggatc cgagctcggg 480
accaagcttg gcgtaatcat ggtcatagct gttt 514

```

<210> 1657

<211> 605

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 78, 91

<223> n = A,T,C or G

<400> 1657

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atgcatgctc gagcgggccgc cagtgtgatg gatatctgca gaattcgccc ttctgagcgg 60
ccgcccgggc aggtccanac gctgacattg nttctgagtc cttaagcagg aaggatttga 120
aatcctggag cttggcagtc ttgctcttca cctctaagcc aatgttgacc cttcatcta 180
taaagtccac aactctccgg aagtcactct cacggaactg tcgagaagtt aaggctgggg 240
ccccaaagcc caggccgccc ggtgtgatgg cacttcggtc tccaggacag gtgttcttgt 300
tggcagtgat ggatacaagc tctagcacc gctcagccc agctccatcc aggcccttgg 360
gccgcaggtc caccagcacc aggtggttgt cagtaccacc tgataccagt gagtagcctc 420
gccctagcag ggcactctgc atggcccag cattcttcag aacctgcagg gagtactccc 480
ggaacatggg ggtgcaggac ctcgccgcg accacgctaa gggcgaaatc cagcacactg 540
gcggccgtta ctagtggatc cgagctcggg accaagcttg gcgtaatcat ggtcatagct 600
gtttc 605

```

<210> 1658
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 4, 10, 19, 22, 53, 76, 85, 87, 149, 184, 713, 747
 <223> n = A,T,C or G

<400> 1658
 agnnttccgn cgccctcna gntgcatgct cgagcggccg cgcagtgaga tgnatatctg 60
 cagaattcgc ccttanctg ggcgnangca tgacgctcgg gatcagaact aaaacaagtg 120
 agatcacccc tctaattatt tctgaactng gttaataaaa gcttataaga tttttatgaa 180
 gcancactg tatgatattt taagcaaata tgttatttaa aatattgatc cttcccttgg 240
 accaccttca tgtagttgg gtattataaa taagagatac aaccatgaat atattatggt 300
 tatacaaaat caatctgaac acaattcata aagatttctc ttttatacct tcctcactgg 360
 cccctccac ctgcccatag tcaccaaatt ctgttttaaa tcaatgacct aagatcaaca 420
 atgaagtatt ttataaatgt atttatgctg ctgactgtg ggtcaaagt ttccattttc 480
 aaattattta gaattcttat gagtttaaaa tttgtaaatt tctaaatcca atcatgtaaa 540
 atgaaactgt tgctccattg gagtagtctc ccacctaatt atcaagatgg ctatatgcta 600
 aaaagagaaa atatggtcaa gtctaaaatg gctaattgtc ctatgatgct attatcatag 660
 actaacggac atttatcttc aaaacaccaa attgtcttta gaaaaaatta atngtgatta 720
 ccaggtagaa ggacctgccg gggcggnccg ctcgaaaggg ccgaaattcc agccccacct 780
 gggc 784

<210> 1659
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 4, 19
 <223> n = A,T,C or G

<400> 1659
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 cccttagcgt ggtcgcggcc gaggtccatt aaagataagt ttggctaact attttactga 120
 agagactaat ggtcttcctt ctgttgtaact gctatgtttc ttgatctggt tttccccaat 180
 gtaacagtct acattgaagt cctttagctc tctccatata ctaattgaca tttgttaagg 240
 attcaatatt ttgtgaattc tttttaccct taaaatgcat atctttcaga gagataagaa 300
 tgaattttgc aataatttat atgcagagtg tgcttatggg tttctgggag ttcaagttag 360
 taccacagag tgcttaaaaag tacgatgcta aattctaagg ctaatgtaat gactgtagat 420
 tatctatgtc cacattgttc aacagaaaata taatgtgaac cacaacataa tttttaattt 480
 tctagtagcc atattaaaaa agaaacaagc aaaattaatt ttaataacag tttatgtaac 540
 ccagtatatt aaaaatatca tttcaacatg taatcaatat aaaagattat taatgaaaca 600
 ccttatcttc tttttcttcc atgctaagtc ttagatttga gtgtattttg cactcacagc 660
 acatctcaat tctgactgga cctgcccggg cgccgctcg aaagggcgaa ttccagcaca 720
 ctgggcggcc gttactagtg gatccgagct ccggtaccaa gcttggcgta atcatggtca 780
 tagctgttt 789

<210> 1660
 <211> 559

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<222> 3, 53, 313, 323, 330, 368, 411, 452, 457, 460, 463, 470,
487, 499, 516, 518, 545

<223> n = A,T,C or G

<400> 1660

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ccctttccag cgccgccccg ggcaggtcca tcagacttct tgggtgcctg gctatattca 120
atgtgaagta aaaaatatcc caagtcttac accaaaatag aggctctgac ttagaagtat 180
gcttttagct ttctttttta ataagacatt ctggaagaaa aaaaaagaaa aaggaaagaa 240
aatcaagttt gaaacacagt taacacttat tttggcaaga aagcaaccaa aatctaaaaa 300
gcataaacta tngtgcacaa tgnaaaaggn attacagaac aaactgcaag aggggaaaaat 360
taaagccnca ctgaacgaaa aaatacagta tgtctaacat tttggaattg naatttaaac 420
cctaagggca aaagctgaaa aatcatgctt anacctnggn cnggaccacn ctaagggcga 480
attccancac actggcggnc gttactagt gatccnanct cggtagcaag cttggcgtaa 540
tcctnggcat agctgtttc 559
```

<210> 1661

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1661

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ttgggcccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
ccctttccag cgccgccccg ggcaggtctg cagtgtccct ttttatatca tgctagtgtt 120
gagacatact tgactaactt gggaacagtt cgatatattg acaaccgtca acttaagaaa 180
atcaacagct tttggcccca gcgtccaagt gaacttttca tggagtgcag aatctcaaat 240
ggacaaaata ctttgtcttt ttaaatactg aaaatttaat tattagtact atgactgaaa 300
gattcttcac ggctaaaaag ctctgcatca aactcaattc aggaggacct cggccgcgac 360
cacgctaagg gcgaattcca gcacactggc ggccgttact agtggatccg agctcggtag 420
caagcttggc gtaatcatgg tcatagctgt ttc 453
```

<210> 1662

<211> 809

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16, 25, 47, 98, 301, 437, 446, 461, 464, 491, 500, 524, 526,
530, 564, 589, 599, 603, 617, 633, 657, 658, 676, 682, 689,
696, 709, 726, 738, 742, 751, 753, 755, 762, 773, 776, 779,
784, 789, 792, 802, 805

<223> n = A,T,C or G

<400> 1662

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aggtccttag ccaaagaatg cagtggagcc ttccccnngg ggctgcattg tgaatgaata 120
ccaattgaca gcataaaaaat taatagtccc atatcagatc tggaaggggt ttctggggct 180
gtctgatgtc cctatcctgt ttagtgaac acaatagcag aaaattcttt ctgggtccat 240
```